ANNUAL

ADMINISTRATION REPORT

OF

THE FOREST DEPARTMENT

MADRAS PRESIDENCY,

FOR THE

FIFTEEN MONTHS ENDING 30TH JUNE 1893.

(1892-93.)

MADRAS:
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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE FIFTEEN MONTHS ENDING 30TH JUNE 1893.

CHAPTER I.

INTRODUCTORY.

The new Forest year.—Under the orders of the Government of India, a special forest year extending from 1st July to 30th June has been substituted for the official year hitherto adopted as the period for the submission of the Forest Administration Report. Accordingly this report embodies the transactions of the fifteen months from 1st April 1892 to 30th June 1893.

2. *Principal administrative changes.*—The principal administrative change during the year was the transfer of the audit of forest accounts from the Examiner of Forest Accounts to the Accountant-General, with effect from the 29th March 1893. Consequent on this change, a systematic inspection of the accounts of the District Forest-offices by the Local Fund inspecting staff of the Accountant-General's office has been ordered commencing from 1892–93, the pending audits of the accounts of previous years being ordered to be made by the Treasury Deputy Collectors with the aid (where necessary) of special accountants sanctioned temporarily for this purpose.

Rules under the Forest Act.—The revision of the rules under section 26 of the Forest Act engaged the attention of the Board during the period under report. A set of draft rules was drawn up and circulated to Conservators; their remarks have since been received and will be shortly considered.

3. *Visit of the Inspector-General of Forests.*—The Inspector-General of Forests to the Government of India paid a visit to this Presidency in March 1893 and conferred with the Board and Conservators on the forest policy of the Madras Government and the introduction of working plans in this Presidency.

4. *Tours of the Forest Member.*—The Board's Forest Member made tours of inspection to the Gódávari, Kistna, Kurnool, Anantapur, Coimbatore, Salem, Nilgiri, Madura, Trichinopoly and South Arcot districts, with the special object of enquiring into the progress of selection, settlement and demarcation of reserves.

5. *Conservators' inspections.*—The following abstract shows the names of the Conservators who held charge of the three Circles and the time spent in camp by each of them during the period under report :—

Circle.	Name of Conservator.	Number of days during which he held charge.	Number of days spent in camp.
Northern	Mr. Hooper	283	162
	Mr. Peet	173	93
Central	Mr. Popert	456	268
Southern	Mr. Cherry	456	317

The touring of these officers has generally been satisfactory.

The Board having noticed that the Conservators' inspections had not hitherto been made on any definite system, and that some districts were visited frequently while others were neglected, it was decided that each Conservator should spend not less than three months every half-year in camp and should visit every district in his charge during the year, making a detailed inspection of each district at least once in two years, and submitting half-yearly returns of his tours like Collectors.

During the period under report, Mr. Hooper visited all the districts in the Northern Circle except Ganjám, and submitted notes of his inspection for Vizagapatam, Bellary and Anantapur. Mr. Popert inspected all the districts in his Circle and submitted notes of his inspection for all except South Arcot. Mr. Cherry inspected and reported on the forests of all the districts in his charge except Tinnevelly.

Mr. Peet having been on deputation to attend the meeting of the Board of Control of the Dehra Dun Forest School for about a month, was not able to devote as much time to inspection as he might otherwise have done. He, however, conferred with the District Forest-officers of Ganjám, Anantapur, Kurnool, Vizagapatam, Gódávari and Kistna, though he was not able to make a detailed inspection of any of the districts in the Circle.

6. *Tours of District Forest-officers.*—The Board having noticed that District Forest-officers had not been spending as much time in camp as they ought, found it necessary to prescribe a minimum touring period of four months in every half-year (which has been relaxed, however, when exceptional circumstances seemed to render it expedient) and to call for half-yearly returns of the tours made by these officers. The more effective supervision which the Board has been exercising over the movements of District Forest-officers has produced satisfactory results.

Of the Forest-officers who during the fifteen months under review held charge of a district for three months and upwards, the undermentioned officers spent less than half their time in camp :—

	Percentage of time spent in camp.
Mr. H. H Ward (Gódávari)	34·7
„ P. M. Lushington (Kurnool)	31·4
„ T. N. Hearsey (do.)	31·3
„ E. R. Murray (do.)	45·7
„ J. H. B. Brougham (Nellore)	49·5
„ Eber Hardie (North Malabar)	43·9

Of these, Messrs. Ward, Hearsey and Murray have submitted no explanation as to their short touring. The Board trusts that better results will be shown in the current year. Mr P. M. Lushington's touring in Gódávari where he was subsequently transferred, was satisfactory. Mr. Brougham's shortcoming in this respect was animadverted upon in the previous year, but without any satisfactory improvement during the period under report. The attention of the Collector of Nellore is drawn to this point. Mr. Eber Hardie's short touring was due to ill-health.

The rules regarding the inspection of ranges by District Forest-officers twice in the year do not appear to have been universally observed. The attention of all Collectors will be drawn to this important matter.

7. *Reorganization of the Subordinate Staff.*—Further correspondence on this important subject occurred during the year, and the Board's final proposals in respect to the executive and clerical establishments were approved by the Madras Government in November 1892 and May 1893, respectively, and were submitted to the Government of India. The Secretary of State's sanction has, however, not yet been accorded, and forest work is everywhere hampered and delayed in consequence. The areas of the Government forests are daily increasing, but if the staff necessary to properly work them and to select, demarcate and map out new areas is not employed in time, the loss of revenue will undoubtly be serious ; all the more so as Government has lately ruled that " Forests " can only be credited with the receipts from trees, &c., actually under the supervision of the department.

8. Of the 23 District Forest charges, twelve were in charge of Deputy Conservators, six in charge of Assistant Conservators and five in charge of Extra Assistant Conservators on the last day of the period under report.

CHAPTER II.

AREAS AND BOUNDARIES.

9. The following statement shows the areas of reserved forests and reserved lands at the commencement and at the close of the period under report :—

ABSTRACT A.—Classes and areas of forests in square miles.

Class of forests.	Area on 1st April 1892.*	Added during the year 1892-93 (from 1st April 1892 to 30th June 1893).	Excluded during the year 1892-93 (from 1st April 1892 to 30th June 1893).	Net increase or decrease.	Area on 30th June 1893.	Source or cause of increase or decrease.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	
Reserved forests	2,202	1,054	2	+ 1,052	3,254	1,054 square miles transferred or added from reserved lands and 2 square miles deducted by rectification of areas.
Do. lands	2,661	703	1,067	— 364	2,297	662 square miles new areas, and 41 square miles by rectification of areas added ; 9 square miles by rectification of areas, 4 square miles by exclusions at settlement and 1,054 square miles by transfer to reserved forests deducted.
Total ..	4,863	1,757	1,069	+ 688	5,551	
Central Circle.						
Reserved forests	2,430	1,277	..	+ 1,277	3,707	1,277 square miles transferred or added from reserved lands.
Do. lands	3,653	178	1,319	— 1,141	2,512	102 square miles new areas, 72 by rectification of areas and 4 at settlement added ; 14 square miles by rectification of areas, 15 square miles by exclusion at settlement, 13 square miles by disafforestation and 1,277 square miles by transfer to reserved forests deducted
Total ..	6,083	1,455	1,319	+ 136	6,219	
Southern Circle.						
Reserved forests	2,543	110	178	— 68	2,475	110 square miles transferred or added from reserved lands and 178 square miles deducted by rectification of areas.
Do. lands	3,090	194	342	— 148	2,942	190 square miles new areas, and 4 by rectification of areas added, 10 square miles by rectification of areas, 222 by disafforestation and 110 square miles by transfer to reserved forests deducted.
Total ..	5,633	304	520	— 216	5,417	
Total.						
Reserved forests	7,175	2,441	180	+ 2,261	9,436	
Do. lands	9,404	1,075	2,728	— 1,653	7,751	
Grand Total ..	16,579	3,516	2,908	+ 608	17,187	

* The areas exhibited in the last year's statement under "other forests" have now been omitted under the instructions of Government (paragraph 3 of its review of the Forest report for 1891-92) as not being under the control of the Department.

The increase in the area of reserved forests is mainly the result of the notification of large areas in Kistna, Bellary, Cuddapah, North and South Arcot and Salem. The decrease in the Southern Circle is nominal, being due to the rectification of the areas of reserved forests as ascertained by the Survey Department. The decrease under reserved lands is due to the transfer of 2,441 square miles to reserved forests, which was partly counterbalanced by the constitution of new areas as reserved lands mainly in Vizagapatam, Kistna, Kurnool and Madura.

10. The total area of each district and of the reserved forests and reserved lands therein is shown in the subjoined statement :—

Abstract B.—District areas and forest reserves in square miles.

Districts	Total district area excluding feudatory and tributary states.	Area excluding zemindari and whole inam villages.	Cultivated area	Particulars of remaining area in column 3.			Forests under the control of the Forest Department.			Percentage of column 10 to column 3	Percentage of column 10 to 7.
				Uncultivated and forest areas.	Area for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands	Total of reserves, columns 8 and 9.		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	8,869	4,079	582	1,260	2,237	3,497	114	453	567	13·9	16·2
Vizagapatam	17,242	1,373	234	232	907	1,139	24	279	303	22·0	26·6
Gódávari	7,865	3,823	1,524	1,831	468	2,299	442	572	1,014	26 5	44·1
Kistna	8,397	5,414	3,108	2,306	..	2,306	633	222	855	15·7	37·0
Anantapur	5,287	4,321	1,702	2,217	402	2,619	101	299	400	9·2	15·2
Bellary	5,900	4,586	2,422	2,164	..	2,164	214	292	506	11·0	23·3
Kurnool	7,514	5,924	1,854	4,070	..	4,070	1,726	180	1,906	32·1	46·8
Total ..	60,574	29,520	11,426	14,080	4,014	18,094	3,254	2,297	5,551	18·8	30·6
Central Circle.											
Nellore	8,765	4,045	1,559	2,394	92	2,486	341	248	589	14·5	23·7
Cuddapah	8,781	7,496	1,961	5,535	..	5,535	965	1,102	2,067	27·5	37·3
Chingleput	2,840	2,051	896	1,155	..	1,155	155	57	212	10·3	18·3
North Arcot	7,497	3,768	1,179	2,589	..	2,589	688	308	996	26·4	38·4
South Arcot	5,211	4,726	2,233	2,417	76	2,493	385	417	802	16·9	32·1
Tanjore	3,709	2,485	1,717	768	..	768	16	8	24	·9	3·1
Trichinopoly	3,631	2,683	1,685	894	154	1,048	190	49	239	8·9	22·8
Salem	7,471	5,330	1,969	3,361	..	3,361	967	323	1,290	24·2	38·3
Total ..	47,855	32,584	13,149	19,113	322	19,435	3,707	2,512	6,219	19·0	31·9
Southern Circle.											
Madura	8,808	3,196	1,516	1,252	428	1,680	479	158	637	19·9	37·9
Tinnevelly	5,384	3,508	2,286	1,222	..	1,222	410	1	411	11·7	33·6
Coimbatore	7,860	7,167	3,727	3,250	190	3,440	1,063	1,272	2,335	32·5	67·8
Nilgiris	957	957	325	632	..	632	233	175	408	42·6	64·5
Malabar	5,589	5,565	1,475	4,090	..	4,090	190	412	602	10·8	14·7
South Canara	3,902	3,883	634	3,249	..	3,249	100	924	1,024	26·3	31·5
Total ..	32,500	24,276	9,963	13,695	618	14,313	2,475	2,942	5,417	22·3	37·8
Grand Total ..	* 140,929	* 86,380	34,538	46,888	4,954	51,842	9,436	7,751	17,187	19·9	33·1

* These are the revised figures furnished by the Settlement Department.

It will be observed from the above statement that the area of forests under the control of the Forest Department in this Presidency is 33·1 * per cent. of that still at the disposal of Government and 19·9 * per cent. of the total area of Government lands including the cultivated area ; and is fairly distributed among the three Circles, though it varies largely in the different districts It is particularly large in Coimbatore and the Nilgiris ; but very small in Tanjore, Malabar, Anantapur, Ganjám and Chingleput. The *Nilgiris* is essentially a forest district. The reservation of large blocks in the Kollegal, Satyamangalam and Bhaváni taluks in *North Coimbatore* and in the Anamalais and in the Bolampatti valley in *South Coimbatore* has contributed to the high percentage As observed in the report of the previous year, the area available for reservation in *Tanjore* is very insignificant. The same is the case with *Malabar* and the non-Agency parts of *Ganjám* The survey of the *Anantapur* district not being completed, some difficulty has been experienced in the selection of reserves in that district. When the reserves are completely selected and notified, the area of forests under control will be largely increased. In *Chingleput*, owing to the unsuitability of the greater portion of the waste land for forest purposes, the total extent available for reservation has been fixed at about 281 square miles, of which 212 square miles have already been brought under control, and steps are being taken to bring the remainder under reservation

The larger percentage given in last year's report included "other forests" now omitted—*vide* foot-note to statement in paragraph 9

11 The subjoined statement shows the areas finally constituted into reserved forests in the fifteen months under report as compared with that in the year preceding :—

ABSTRACT C.—Reserved Forests in square miles.

Districts	Prior to 1891-92	During 1891-92	During 1892-93 from 1st April 1892 to 30th June 1893.	Total
Northern Circle.	SQ. MLS	SQ. MLS	SQ. MLS	SQ. MLS
Ganjám	85	29	..	114
Vizagapatam	4	10	10	24
Gódávari	345	73	24	442
Kistna	346	106	181	633
Anantapur	14	17	70	101
Bellary	77	28	109	214
Kurnool	242	826	658	1,726
Total ..	1,113	1,089	1,052	3,254
Central Circle.				
Nellore	169	94	78	341
Cuddapah	356	58	551	965
Chingleput	126	20	9	155
North Arcot	430	83	175	688
South Arcot	148	16	221	385
Tanjore	9	..	7	16
Trichinopoly	141	18	31	190
Salem	684	78	205	967
Total ..	2,063	367	1,277	3,707
Southern Circle.				
Madura	379	88	12	479
Tinnevelly	428	139	— 157†	410
North Coimbatore	119	366	12	497
South Coimbatore	566	..	..	566
Nilgiris	201	6	26	233
North Malabar	119	..	32	151
South Malabar	39	..	..	39
South Canara	85	8	7	100
Total ..	1,936	607	— 68	2,475
Grand Total ..	5,112	2,063	2,261	9,436

† Twenty-one square miles were added to the reserved forests, but 178 square miles had to be deducted in consequence of rectification of areas due to survey map measurements.

The period under review shows a great increase of reservation (as compared with 1891–92) in the Central Circle where large areas were notified in Cuddapah, North and South Arcot and Salem.

Leaving out of account the deduction on account of rectification of area, the actual increase to the area of reserved forests in the Southern Circle is 110 square miles against 607 in the previous year. The decrease in progress occurred mainly in the Madura, Tinnevelly and North Coimbatore districts. In *Madura* only a small area remained to be finally notified at the beginning of the period under report and most of the blocks notified under section 4 during the period were not notified under section 16 before its close. In *Tinnevelly* there was only one block under settlement at the end of the previous year, which was finally notified during the period under report, and no new blocks were placed under settlement. In *North Coimbatore*, certain large blocks were constituted reserved forests in the previous year, while only small blocks were dealt with in the period under review.

12. The statement prescribed by the Government of India to show the progress made in forest settlement is given below :—

ABSTRACT D.

Circle.	Area of reserved lands—*vide* abstract A above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st April 1892.	Added during 1892-93 (from 1st April 1892 to 30th June 1893).	Total.	Excluded during the year (mainly by reason of constitution as reserved forests).	Balance at the end of the year.	Area notified under section 4 on the 1st April 1892.	Added during 1892–93 (from 1st April 1892 to 30th June 1893).	Total.	Notified under section 16 during 1892–93.	Balance notified under section 4 but not settled.
	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.	SQ. MS.
Northern ..	2,661	703	3,364	1,067	2,297	2,583	573	3,156	1,052	2,104
Central ..	3,653	178	3,831	1,319	2,512	3,110	383	3,493	1,277	2,216
Southern ..	3,090	194	3,284	342	2,942	*1,512	182	1,694	110 †—178	1,762
Total ..	‡9,404	1,075	10,479	2,728	7,751	7,205	1,138	8,343	2,261	6,082

* The balance at the end of 1891–92, as shown in the report for that year, is 1,691 square miles. The difference between that figure and this is due to the rectification of the areas of certain blocks

† This deduction represents the decrease due to the revised estimate of the areas of certain blocks notified in previous years.

‡ The balance at the end of 1891–92, as shown in the report for that year, was 10,708 square miles. The difference between that figure and this is due to the exclusion of "other forests."

The progress, it will be observed, is satisfactory, as the area under settlement at the close of the period under report is smaller than that at its beginning, notwithstanding the fact that a larger area was brought under settlement during that period than in the twelve months preceding it.

13. The statement in appendix A shows the area of lands under settlement and the area finally notified in each district during the period under report as compared with those in the twelve months preceding it, as well as the particulars of the area under settlement on the 30th June 1893.

14. The number of blocks pending settlement at the close of the preceding year was 604 covering an area (as now ascertained) of 7,205 square miles; to these were added during the period under report 358 blocks with an area of 1,138 square miles, making a total of 962 blocks having an area of 8,343 square miles. Of these 287 blocks with an area of 2,261 square miles were notified under section 16, leaving a balance of 675 blocks with an area of

(A) Notified under section 4 as per statement in appendix A, columns 2 to 5 :—

	Number of blocks.	Area.
		SQ. MS.
Up to 1891–92	1,392	13,961
During „	130	419
Total ...	1,522	14,380

(B) Notified under section 16 as per statement in appendix A, columns 10 to 13—

	Number of blocks.	Area. SQ. MS.
Up to 1891-92	712	5,112
During „	206	2,063
Total	918	7,175
Balance (A)—(B)	604	7,205

6,082 square miles at its close. Of these blocks, 95 (735 square miles) were notified under section 16 during the period under report, though their reservation took effect subsequent to its close; and 36 blocks (384 square miles) were pending scrutiny in the Board's office. The reports of 55 blocks (1,198 square miles) had been returned to Collectors for revision and 131 blocks (2,140 square miles) have been settled, but have not been reported on. The remaining 358 blocks (1,625 square miles) were pending with Forest Settlement-officers in various stages of settlement. More than half the total number of pending blocks were, it will be seen, notified under section 4 only during the period under report. It is gratifying to note that some of the oldest blocks in Nellore, Cuddapah, Kistna, Kurnool, Bellary and Salem were notified during the period. This, the Board has no doubt, is mainly due to the careful scrutiny which the weekly and monthly reports of the Forest Settlement-officers have undergone in the Board's office, and to recent consolidation and amendment of the rules regarding forest settlement, by which the procedure in regard to the preparation of maps to accompany notifications has been considerably simplified; as also to the fact that the Forest Settlement-officers have been ordered to assist the District Forest-officers, as far as possible, in the preparation of maps and boundary descriptions for which several of these blocks were waiting. Nevertheless there are still several blocks which have been pending for more than six years, mainly in Ganjám, Bellary, Anantapur, Nellore, Cuddapah and North Malabar. Reports for some of the long-pending blocks in *Ganjám* were received in the Board's office, but had to be returned as the Conservator reported that the settlement work had not been properly done in the Goomsur division. The sketch-maps originally submitted for these having been found to be useless, it is reported that fresh ones are under preparation. Most of the oldest blocks in *Bellary* are those pending with the Deputy Collector, Adóni division, who as a Revenue Divisional officer has not had sufficient time to devote to this work. The Board is now getting fortnightly reports of the progress made by this officer with a view to see that there is no avoidable delay on his part. The Collector of *Anantapur* will be requested to take early steps to get the long-pending blocks in his district notified. The old blocks pending in *Cuddapah* are mostly awaiting the preparation of correct sketch-maps, while those in *Nellore* and *North Malabar* are pending decision of appeals in the District Courts against Forest Settlement-officer's decisions. The general reason for the delay in the case of the blocks that have been long pending and which are mostly in unsurveyed tracts is that the maps submitted with the initial notifications under section 4 are found to be useless for the purpose of the final notifications and fresh maps have to be prepared, entailing a detailed survey of the boundary lines. This, under the recent orders which provide for the preparation of accurate maps at the outset, will not occur in the case of the blocks now being notified.

15. Compared with the year preceding, the total number of blocks not finally constituted reserved forests shows an increase, but their aggregate area shows a falling off, as will be seen from the following table:—

Year.	Settled and reported on but not finally notified.		Under settlement.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.
		SQ. MS.		SQ. MS.		SQ. MS.
1891-92	266	3,613	341	3,771	(a) 607	(a) 7,384
1892-93	186	2,317	489	3,765	675	6,082
Difference ..	— 80	— 1,296	+ 148	— 6	+ 68	— 1,302

(a) These are the figures given in the Administration Report for 1891-92. They are reported to be incorrect. The correct figures as now reported by collectors are 604 blocks and 7,205 square miles.

A statement showing the cause of delay in the case of these blocks will be found in appendix B.

16. *Selections for further reservation.*—Considerable progress is being made in the selection of lands for reservation. The Board has been getting monthly returns of the progress made in this respect which are scrutinised and reviewed in its office. The area brought under settlement during the fifteen months under report was 1,138 square miles against 419 in the preceding 12 months. There is still, however, much to be done, mainly in Kistna, Anantapur, Bellary and Kurnool in the Northern Circle and in Nellore, Cuddapah, Chingleput and Trichinopoly in the Central Circle. In North Arcot and Salem, the selections have been completed; but the areas could not be notified owing to want of maps The Conservator, Central Circle, is of opinion that to insist on the submission of accurate maps with the initial notification would result in retarding the progress of selection and settlement, and thinks that rough sketch-maps would answer the purpose. This argument has been examined and refuted by the Board in its Proceedings, dated 29th August 1893, Forest No. 623, in reply to a similar remark made by the Government of India in reviewing the Administration Report for 1891–92, and its views have received the concurrence of Government. In the Nilgiris, the only work to be done consists in bringing under settlement the village forests which have been already selected. In South Canara, the Collector estimates that the work will take three years more, as there are yet 200 square miles to be selected and preliminarily demarcated.

17. The subjoined statement shows the work turned out by the Special Forest Settlement-officers during the period under review:—

ABSTRACT E.—Outturn of work by Special Forest Settlement-officers during 1892–93.

Name of Special Forest Settlement-officer	Districts.	Issue of proclamation after notification under section 4		Settlement of claims.		Report after settlement submitted.		Final notification proclaimed.		Cost.
		Number.	Area.	Number.	Area	Number	Area.	Number.	Area.	
1	2	3	4	5	6	7	8	9	10	11
			SQ. M		SQ. M.		SQ M		SQ. M.	RS.
* M.R.Ry. D. Jagannadha Row up to 10th June 1892 and Mr J. T. Lever from 6th August 1892.	Gódávari	..	.	18	180	16	167	7	84	11,136
	Kistna	34	58	8	33	..	..	7	184	
	Kurnool	16	136	..	..	..	..	..		
	Total ..	50	194	26	213	16	167	14	268	11,136
M.R.Ry. C. Somasundara Sastri and M.R.Ry. S. Venkataramdos Naidu, the latter from 21st September to 24th December 1892.	Anantapur . ..	5	9	18	151	24	177	17	81	12,375
	Bellary .. .	22	61	14	109	17	94	26	109	
	Nellore		..	2	70	..	..	9	75	
	Total ..	27	70	34	330	41	271	52	265	13,375
Mr. W. C. McMurray ..	Cuddapah	18	96	15	34	51	284	70	684	14,520
	North Arcot	15	67	4	32	18	210	22	213	
	South Arcot	9	6	1	·3	.		..	..	
	Salem	..	..	2	15	15	118	22	197	
	Total ..	42	169	22	81·3	84	612	114	1,094	14,520
M.R.Ry C. Raju Sastri ..	South Arcot	48	150	1	9	7	17	16	72	13,818
	Tanjore	..	..	..	..	..		1	3	
	Trichinopoly ..	..	..	..	..	..		2	11	
	Madura	83	150	37	53	20	22	3	11	
	Tinnevelly	.	..		..	..		..	..	
	Coimbatore	3	20	6	5	30	227	44	312	
	Total ..	134	320	44	67	57	266	66	409	13,818
	Grand Total ..	253	753	126	691·3	198	1,316	246	2,036	52,849
	In 1891–92 .. .	95	896	166	1,702	122	1,518	164	2,765	44,116

* M.R.Ry. D. Jagannadha Row's work has not been separately reported.

Judged by the area of blocks in which claims were settled during the period under report, M.R.Ry. C. Somasundara Sastri has done the largest amount of work, though for about three months and-a-half he was absent on other duty in the Board's office and his *locum tenens* did very little during his absence. Taking into consideration the area of blocks for which reports were submitted, Mr. McMurray has done the largest amount of work; but it must be remembered that most of the blocks in Cuddapah reported on during the year had been practically settled in previous years and were merely awaiting the preparation of sketch-maps and boundary descriptions. An explanation called from and submitted by Mr. Lever with reference to his very poor outturn is now under the Board's consideration. Compared with the work turned out in the twelve months preceding the period under report, there has been a general falling off in the total area settled and reported on by the Special Forest Settlement-officers, but it must be remembered that the figures of 1891–92 included the areas of certain large blocks in Kurnool and Coimbatore notified in that year. Application was made for the appointment of a Special Forest Settlement-officer for the Ganjám and Vizagapatam districts, where settlement work is now in a very backward state; but the proposal was negatived by the Secretary of State.

18. The subjoined statement shows the work turned out by Revenue Divisional officers who were entrusted with forest settlement work :—

ABSTRACT F.

District.	Name of officer.	Blocks pending with Forest Settlement-officers at the beginning of 1892–93		Added during 1892–93.		Total.		Disposed of during 1892–93.		Blocks pending with Forest Settlement-officers at the end of 1892–93 (from 1st April 1892 to 30th June 1893).	
		Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
			SQ. M.		SQ. M.		SQ. M.		SQ. M.		SQ. M.
Ganjám ..	Principal Assistant Collector	9	6	..	..	9	6	..	..	9	6
	Senior Assistant Collector ..	3	22	14	10	17	32	..	.	17	32
	General Deputy Collector, Goomsur	16	327	8	81	24	408	1	4	23	403
	Total ..	28	355	22	91	50	446	1	4	49	441
Gódávari ..	Sub-Collector (*a*)	1	8	..	..	1	8	1	8	..	..
	Special Assistant Collector (*a*)	2	182	..	..	2	182	..	..	2	182
	Total ..	3	190	..	..	3	190	1	8	2	182
Vizagapatam ..	Principal Assistant Collector	3	52	4	4	7	56	3	30	4	26
	Head Assistant Collector ..	7	30	9	203	16	233	4	10	12	223
	Total ..	10	82	13	207	23	289	7	40	16	249
Bellary	Deputy Collector, Adóni (*a*).	8	31	.	..	8	31	2	6	6	25
Chingleput ..	Mr. Pinto	41	30	44	17	85	47	24	15	61	32
Nilgiris ..	Head Assistant Collector ..	15	79	8	16	23	95	11	10	12	85
Coimbatore ..	Head Assistant Collector ..	..	..	4	8	4	8	..	.	4	8
Malabar ..	Sub-Collector	1	40	..	..	1	40	..	..	1	40
	Special Assistant Collector.	14	200	..	..	14	200	..	(*b*) 29	14	171
	Deputy Collector, Wynaad.	5	160	..	..	5	160	(*d*) 2	(*c*)..	3	160
	Total ..	20	400	..	..	20	400	2	29	18	371
South Canara ..	Head Assistant Collector ..	6	9	1	(*c*)..	7	9	6	8	1	1
	General Duty Deputy Collector	2	35	..	..	2	35	..	(*b*) 6	2	29
	Total ..	8	44	1	..	9	44	6	14	3	30

(*a*) This was omitted in the report for 1891–92.
(*b*) Rectification of area.
(*c*) The area being less than a square mile has been omitted.
(*d*) Unreserved or abandoned.

The results in the first two districts are very poor, but so long as Divisional-officers, with their multifarious duties, are entrusted with this important work, delay and errors are almost unavoidable. In the Nilgiris, on the other hand, the work done by Mr. H. V. Cobb, I.C.S., is satisfactory and deserves special mention.

19. The area of reserved lands not brought under settlement is shown in Appendix C.

The areas not yet brought under settlement are considerable in Kistna, Bellary, Cuddapah, Salem, North Coimbatore, Nilgiris and South Canara. The whole of the balance shown against *Kistna* was constituted into reserved lands only during the period under report. The Collector should take early steps to have it notified for settlement. In *Cuddapah* and *North Coimbatore*, the areas awaiting notification under section 4 of the Act are less than the corresponding areas in the preceding year; but in *Bellary*, *Salem*, and *South Canara* they are substantially the same as in the preceding year. The Collector of *Bellary* has furnished no explanation for this want of progress. The Collectors of *Salem* and *South Canara* state that the necessary steps are being taken to get notifications out. The area outstanding in the *Nilgiris* represents the Mudumalai leased forest and the Toda-patta lands which it is not intended to bring under settlement.

20. *Demarcation.*—The subjoined statement shows the length of boundaries preliminarily and permanently demarcated up to and during the period under report and the total and average cost :—

Abstract G.—Demarcation work done during 1892–93.

—	Preliminary.						Permanent.						Total expenditure upon demarcation to end of 1892–93.
	To end of 1891–92.		Average cost per mile during 1891–92.	During 1892–93.		Average cost per mile.	To end of 1891–92.		Average cost per mile during 1891–92.	During 1892–93.		Average cost per mile.	
	Miles.	Cost.		Miles.	Cost.		Miles.	Cost.		Miles.	Cost.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.	Rs. A. P.		Rs.	Rs. A. P.		Rs.	Rs. A. P.		Rs.	Rs. A. P.	Rs.
Northern Circle.													
Ganjám	(a) 22	62	..	14	84	6 0 0	899	13,338	7 13 1	31	209	6 11 10	13,693
Vizagapatam	23	47	2 0 8	84	87	1 0 7	55	302	9 8 5	46	501	10 14 3	937
Gódávari	498	2,541	3 4 8	62	514	8 4 8	655	7,813	0 10 0	35	298	8 8 3	11,166
Kistna	5	57	..	204	1,594	7 13 0	(b) 550	10,680	7 1 9	7	99	14 2 3	12,430
Anantapur	32	90	2 9 4	3	50	16 10 8	655	9,205	10 0 0	(c) 15	1,690	(c) 112 10 8	11,035
Bellary	40	71	0 3 2	62	36	0 9 3	338	3,129	29 5 4	134	1,160	8 10 6	4,396
Kurnool	(a) 752	11,518	7 0 11	230	554	2 6 6	..	..	..	14	160	11 6 10	12,232
Total	1,372	14,386	5 5 7	659	2,919	4 6 10	3,152	44,467	4 7 10	282	4,117	14 9 7	65,889
Central Circle.													
Nellore	(a) 252	1,081	..	..	..	..	(a) 802	5,974	5 14 11	87	548	6 4 9	7,603
Cuddapah	(b) ..	..	..	69	84	1 3 6	(b) 1,129	21,953	11 11 11	238	(d) 4,696	19 11 8	26,733
Chingleput	..	189	..	110	493	4 7 9	404	10,932	32 9 7	82	1,146	13 15 7	12,760
North Arcot	(a) 402	3,792	9 8 3	28	392	14 0 0	(a) 772	9,837	14 7 5	763	13,978	18 5 5	27,999
South do.	446	996	2 3 11	404	995	2 7 5	292	1,626	4 14 4	227	1,768	7 12 7	5,385
Tanjore	142	124	0 13 11	181	87	0 7 8	..	(a) 200	..	38	208	5 7 7	619
Trichinopoly	324	868	9 7 4	149	1,524	10 3 8	101	914	..	113	1,155	10 3 6	4,461
Salem	430	199	..	234	389	1 10 7	1,850	19,304	62 7 10	219	2,237	10 3 5	22,129
Total	1,996	7,249	5 8 1	1,175	3,964	3 6 0	5,350	70,740	16 1 7	1,767	25,736	14 9 0	1,07,689
Southern Circle.													
Madura	..	..	..	..	..	..	1,418	19,815	18 13 1	78	2,166	27 12 4	21,981
Tinnevelly	(b) 6	570	..	11	53	4 13 1	(b) 931	10,123	27 12 7	494	6,094	12 5 5	16,840
North Coimbatore	(a) 701	5,772	6 8 1	84	1,288	15 5 4	(a) 229	2,080	11 3 1	70	933	13 5 3	10,073
South do.	..	..	..	15	85	5 10 8	364	7,219	21 8 3	53	1,923	36 4 6	9,227
Nilgiris	..	..	..	..	..	..	941	21,778	233 13 4	16	1,774	110 14 0	23,552
North Malabar	31	139	..	8	40	5 0 0	256	3,028	20 13 4	40	1,321	33 0 5	4,528
South do.	(b) 50	163	..	11	136	12 5 10	(b) 34	570	6 12 0	..	..	..	869
South Canara	617	619	0 14 4	664	410	0 9 11	193	3,444	27 5 1	37	835	22 9 1	5,308
Total	1,405	7,263	5 12 7	793	2,012	2 8 7	4,366	68,057	20 2 8	788	15,046	19 1 6	92,378
Grand Total	4,773	28,898	5 8 4	2,627	8,895	3 6 2	12,868	1,83,264	14 11 4	2,837	44,899	15 13 3	2,55,956

(a) The difference between these and the closing balances of 1891–92 as per Administration Report for that year have not been explained by Collectors.
(b) Previous year's figures were incorrect. (c) Stone walls were erected as a famine work; hence excessive cost. (d) Includes money spent on stone walls constructed as famine relief works.

21. *Preliminary demarcation—Progress up to the end of June* 1893.—The length of boundary preliminarily demarcated in each district up to the 30th June 1893 is shown below:—

	MLS.		MLS.
Ganjám ...	36	Trichinopoly	473
Vizagapatam	107	Salem	664
Gódávari	560	Madura	
Kistna	209	Tinnevelly	17
Anantapur	35	North Coimbatore ...	785
Bellary	102	South do.	15
Kurnool	982	Nilgiris ..	
Nellore	252	North Malabar	39
Cuddapah	69	South do. .. .	61
Chingleput	110	South Canara	1,281
North Arcot	430		
South do.	850	Total	7,400
Tanjore	323		

The outturn in the marginally-noted districts up to 30th June 1893 was very small; while in Madura and Nilgiris no work at all was done In all these districts the practice prior to 1891 was to demarcate blocks permanently even before they were finally constituted reserved forests.

Ganjám.
Vizagapatam.
Anantapur.
Bellary.
Cuddapah.
Chingleput.
Tinnevelly.
South Coimbatore.
North Malabar
South do.

Work done during the fifteen months under report.—In Ganjám, Vizagapatam, Gódávari, Coimbatore, Malabar and Madura the area of forests for further reservation was small; and hence the small outturn of work during the period under review in the first five districts, and the absence of any work in the last. The short work in Anantapur and Cuddapah and the absence of any work in Nellore during the period have not been explained. In Bellary the short work is attributed to insufficiency of establishment. In North Arcot and Nilgiris, blocks have been permanently demarcated at the outset, as no alterations of boundaries are expected to be made at settlement. In Tinnevelly the surveyed fields being generally adopted as boundaries, the necessity for preliminary demarcation on a large scale did not arise.

The cost per mile of preliminary demarcation is high in Anantapur, North Arcot, North Coimbatore and South Malabar. In the first three districts the rates of 1892–93 are, moreover, higher than in the previous year. In South Malabar 7 miles of boundary had to be cleared in the ghaut reserves, where the cost of the work was excessive. The other Collectors have not reported the cause of the high rates. The omission should be supplied.

22. *Permanent demarcation.*—The length of boundary permanently demarcated up to 30th June 1893 in each district was as follows:—

	MLS.		MLS.
Ganjám ...	930	Trichinopoly	214
Vizagapatam	101	Salem	2,069
Gódavári	690	Madura	1,496
Kistna	557	Tinnevelly	1,425
Anantapur	670	North Coimbatore ...	299
Bellary	472	South do.	417
Kurnool	14	Nilgiris	957
Nellore	889	North Malabar	296
Cuddapah	1,367	South do.	34
Chingleput ...	486	South Canara	230
North Arcot	1,535		
South do.	519	Total ...	15,705
Tanjore	38		

The outturn of work up to 30th June 1893 is very small in Vizagapatam, Kurnool, Tanjore and South Malabar; but in all these districts except Kurnool, the area of reserved forests is also small. In Kurnool no permanent demarcation was done previous to the period under report and then only one block was permanently demarcated. In Anantapur and Cuddapah stone walls were constructed round certain reserves as famine works during the period under report; but in the latter district, the length and cost of this work have not been separately reported. The small outturn during the period in Gódávari and Nilgiris is due to the fact that almost all

the reserved forests had been permanently demarcated in previous years. In South Malabar no work was done during the period under report, as there were no reserved forests remaining to be permanently demarcated.

The Board is now getting monthly returns of the preliminary and permanent demarcation done in each district, and will see that arrears, wherever they exist, are brought up as soon as possible.

The cost of permanent demarcation is extraordinarily heavy in the Nilgiris. But if the cost of renewing old pillars (Rs. 1,402), which is included in this item is excluded, the rate per mile comes to about Rs. 23. Compared with the previous year, the rates are very much higher in Gódávari, Kistna, Cuddapah, North Arcot, Madura, South Coimbatore and North Malabar. The increase in Gódávari is due to the fact that the work done in 1891–92 consisted merely of fencing and ditching, while in the period under report, the cost of erecting boundary marks and of line-clearing has been included; and in Kistna to the fact that the work done in 1891–92 consisted merely of the erection of boundary marks, without line-clearing, over a portion of the boundary. In Cuddapah the expenditure during the period under report includes the cost of erecting stone walls which has not been separately reported. In North Arcot it is said that part of the work formerly done by the Sub-Assistant Conservator was found to be faulty, and had to be done over again. The increase in Madura has not been explained. In South Coimbatore and North Malabar the amount expended during the period under review included the cost of widening and reclearing old lines the length of which has not been included in the outturn. In Bellary, Salem and Tinnevelly the decrease in the rate has not been explained. In Chingleput it is due to the disuse of ditches on either side of the line.

In South Arcot and South Malabar the system of allowing the contractors employed in demarcation to take the clearings in lieu of money has been introduced; and in the former district the uprooting of stumps in the lines cleared was insisted on to avoid reclearing in future years. The latter measure should be introduced in other districts, and the introduction of the former considered. In North Malabar the length of demarcated boundary now reported is stated to be incorrect. The matter should receive the Collector's attention, and the correct figures should be ascertained and reported in the next return.

The total amount spent on both kinds of demarcation during the period under report amounted to Rs. 53,794. In addition to this, a large sum was spent on reclearing old lines and replacing boundary marks in several districts (notably in Madura) which has not been shown in the statement.

CHAPTER III.

Surveys and Working Plans.

23. The Survey of India Party worked during the period under review in South Coimbatore, Madura, Salem and North Arcot. In *South Coimbatore* the survey of the Anamalai hills, which had been commenced in the previous season, was completed and the large groups of forests in the western part of the Coimbatore taluk, the Tekadi leased forests and several other reserves were surveyed. In *Madura* triangulation was extended over the north-east and northern parts of the district, while topographical operations were begun in the south, in the neighbourhood of Madura itself, and subsequently followed the course taken by the triangulation party. The survey of the upper Palni plateau still remains to be done in that district, and this will be undertaken in the current year. In *Salem* triangulation was extended over the north-eastern part of the district and into some of the adjoining tracts of North and South Arcot. The actual survey included all the reserved forests on the Shevaroy Hills and some others in the Salem taluk. The operations in *North Arcot* were confined to the preliminary triangulation commenced in the western part of the district and carried in an easterly and southerly direction to connect it with that brought up from Salem. Boundary traversing was not carried out to any great extent during the season, partly for the reason that there was a fair amount in reserve from the work of previous years in the Salem district, and partly in consequence of the forest boundaries in Madura and South Coimbatore having been already determined to a considerable extent by the Madras Revenue Survey Department.

The following table shows by districts the areas completed during the survey year 1892–93 under the different descriptions of survey, as also the total outturn The computing connected with the area surveyed has been brought up to date :—

Districts		Triangulation	Traversing	Topography
		SQ MILES	LR MILES	SQ MILES
Madura		482		147
South Coimbatore			13	402
Salem		1,650	126	239
North Arcot		1,298	..	
Total	1892–93 .	3,430	139	788
	1891–92 ..	1,196	252½	659

The above table shows a very large increase in the area triangulated as compared with the previous year, and though the traversing is less, the topography is 129 square miles more. The outturn is the highest hitherto attained This is due partly to increased establishment and greater experience on the part of the surveyors, but mainly to a less amount of bad weather (owing to the partial failure of the north-east monsoon) and to the better health of the men

With the increase in the area, there is a corresponding decrease in the cost rate of the final survey as will be seen from the following table :—

Year	Topography completed	Cost rate per square mile
	SQ. MLS.	RS
1888–89	168	162
1889–90	214	149
1890–91	465	112
1891–92	659	97
1892–93	788	78
Total .	2,294	

The total cost of the survey including the cost of instruments was Rs 78,477 for the financial and Rs 81,840 for the survey year, of which 25 per cent has to be borne by the Government of India. Maps for 2,279 square miles have been prepared, of which maps for 1,506 square miles have been published, those for the remainder, which was all surveyed between 1st July 1892 and 30th June 1893, are awaiting publication in the Survey of India office, Calcutta

24 The Survey work undertaken departmentally has not been satisfactory. Every endeavour to procure better men has failed. The Board has, however, quite recently made arrangements with the Superintendent, Madras Survey, to have Foresters trained in survey work and as this is given effect to, the difficulty of getting efficient men will, it is hoped, no longer be felt. The present paucity of establishment stands, however, in the way of the deputation of men on any large scale. The work turned out by the temporary surveyors employed in the several districts was mainly in connection with the selection and settlement of reserves.

The following is an abstract of the information furnished by Collectors as regards the amount of work turned out by the departmental surveyors and draughtsmen in each district :—

Ganjám.—Four blocks to be proposed for reservation were surveyed

Vizagapatam —Thirty-four and three-quarter miles of traverse, and 276 acres of area survey and 100 acres of topographical survey were carried out

Gódávari —Four thousand two hundred acres in 12 blocks were surveyed and 60 maps prepared.

Kistna — Maps were prepared for 46 blocks covering an area of 73 square miles, and 110 miles of boundary were surveyed.

Anantapur —The work turned out by the first surveyor was so bad that it had to be done over again. The present man is employed in surveying new blocks to be proposed for reservation.

Bellary.—One reserved forest and several of the proposed reserves were surveyed.

* NOTE —The figure entered in the last Administration Report (440) is reported to be wrong.

Kurnool.—One hundred and fifteen square miles were surveyed. The surveyor being inefficient is unable to prepare maps for the areas surveyed.

Nellore.—Fifty-six square miles of the Sriharikota forest were surveyed for preparing a map to accompany the final notification.

Cuddapah.—A part of the boundary of the Palkonda reserve ($5\frac{1}{2}$ miles in length) was surveyed; but the work was very badly done. The surveyor is now dead.

North Arcot.—Thirty-two proposed reserves, having an area of 216·38 square miles, were surveyed.

South Arcot.—Four reserved forests (having an area of 27 38 square miles) were surveyed and mapped.

Trichinopoly.—Twenty-four reserves under settlement were surveyed and re-notified, the original notification under section 4 having been found to be incorrect.

Salem.—Sketch-maps for several proposed reserves were prepared and the hill-villages enclosed in the inner Javadi reserve surveyed

Madura.—The departmental work was done by the District Forest-officer and the ranger No special surveyor was employed.

Tinnevelly.—Maps were prepared for $55\frac{1}{2}$ square miles in 32 proposed reserves. Missing survey stones in the boundaries of several reserves were replaced. The enclosures, roads, coupes, fire-lines, &c., in the Kuttalam reserve were surveyed and marked in the Government of India Survey maps.

Nilgiris.—The boundaries of the new Porthimund and Bikkapatte reserves were surveyed. The line-clearing in three other reserves was rectified.

South Canara.—One surveyor surveyed 100 square miles and another 63 square miles. They also prepared maps Owing to the hilly character of the country, no more progress was made.

Four of the finally notified reserves in South Arcot and one in Bellary appear to have been surveyed by means of the temporary surveyors. The Collector should have stated what this survey was undertaken for In Madura, 6 square miles in seven blocks were surveyed by the Madras Survey Party, eleven blocks with an area of 11 square miles by the District Forest-officer (Mr. Gass) and eight blocks comprising 5 square miles by the Range officer (Mr O'Neill)

25. The following table compiled from the monthly returns now submitted by Collectors to the Board shows the area of reserved forests for which final maps had been prepared in each district up to 30th June 1893.

Districts	Area of reserved forests SQ. M.	Area finally mapped SQ M.	
Ganjám	113·6	80·4	
Vizagapatam ...	24·0	24·0	
Gódávari	441·8	441 8	
Kistna	633·0	220·0	
Bellary	213·5	...	
Anantapur	100·9	66·3	
Kurnool	1,726·6	1,726·6	
Nellore .	340·3	340·3	
Cuddapah	965·2	276·6	
Chingleput	154·6	57·3	
North Arcot	688·4	688·4	
South do.	385·3	385·3	
Tanjore	16	16	
Trichinopoly	190	143·3	
Salem ...	966·2	239 727·2	(by the Survey of India Party). (departmentally).
Madura . .	478·6	478·6	
Tinnevelly	410·6	7·6 403·	(departmentally). (by the Survey of India Party).
North Coimbatore ...	196·5	32 8 143·0	(departmentally). (by the Survey of India Party).
South do ..	566 0	566	(do do.).
Nilgiris .. .	233·4	233 4	
North Malabar	150·1	33·5	
South do. ...	39 3	39·3	
South Canara ...	99·9	65·3	

It will be seen that the work is still very much in arrears in Kistna, Bellary, Cuddapah, North Coimbatore and North Malabar. The Board is getting monthly returns of progress from the Collectors and will take care that the arrears are worked off as soon as possible. The total cost of departmental survey and mapping, including the expenditure incurred on account of working plans during the period under report, amounted to Rs. 25,117.

26. *Working Plans.*—There is not much to record under this head. Little progress can be expected in the preparation of regular working plans until selection and settlement are further advanced and the subordinate staff is increased. District Forest-officers could, in many cases, frame simple plans based upon area, but the staff to carry them out is wanting. In most of the districts, however, statistics and information are being collected for the preparation of working plans when circumstances will permit.

In *Ganjám* the measurements of sâl (*Shorea robusta*) have been recorded, and the collection of the statistics of demand and supply for each reserve was continued. In *Kistna*, a permit system modified on the principles of the coupe system has been introduced, and is said to be that best adapted to the circumstances of the district until the subordinate staff is less occupied with demarcation and settlement work. In *North Malabar*, *South Coimbatore*, and *Nellore* coupe lines were cut in certain reserves, and in the last-named district an experimental felling was made in the Gúdúr reserve to ascertain the cost and outturn per acre and the period within which the growth would recover itself. In *Cuddapah* creepers, &c., were cut in some forests and standards marked in others. In *North Arcot* and *Salem* the system of located fellings already introduced has been gradually substituted throughout for the permit system, chiefly owing to the exertions of the District Forest-officers, Messrs. Marshall and Brasier. The same system has also been introduced more or less into *Nellore*, *Chingleput*, *Madura*, *Tinnevelly*, *South Arcot* and *Tanjore* and data for future working plans are being collected in all these districts. The enumeration of sandalwood trees ordered by the Conservator in *North Arcot*, *Salem* and *South Arcot* has made no progress, owing, it is said, to want of time on the part of the subordinate establishment. In the *Nilgiris* the Teppakuchi bluegum (*Eucalyptus globulus*) plantation was surveyed for the preparation of a working plan.

27. The provisions of such working plans as already exist appear to have been carried out, with the following exceptions. The plan of the Kojjapalle reserve in *Anantapur* is said to require revision, as the reserve will bear heavier cuttings of palmyra (*Borassus flabelliformis*) than have been allowed for. In the case of the casuarina plantations in *Nellore* and the bluegum (*Eucalyptus globulus*) plantations in the Coonoor range in the *Nilgiris*, the full quantity provided in the plan was not extracted, as the wood felled in previous years remained unsold. This want of demand is attributed in Nellore to the large number of trees that withered from deficient rainfall and, being brought to sale, over-stocked the market, and to keen competition from private forests in the Nilgiris. The provisions of the Morur working plan in *Salem* were not carried out, because no contractors could be got to undertake the fellings.

28. The following working schemes were prepared during the period under report:—(1) a plan for the Narsapur plantation in *Gódávari*; (2) a preliminary working plan for six babul (*Acacia Arabica*) reserves in the Guntur range in *Kistna*; (3) a plan for a portion of the Sandur leased forests (*Bellary*) drawn up by Mr. Hooper under the special orders of Government; (4) a working scheme for the Annamalai reserved forest in *South Arcot*. The last is pending with the Conservator. A scheme for the Chinnar block in *Coimbatore* is also said to be under preparation.

The Collector of *Vizagapatam* states that there are no settled forests in his district sufficiently mature to need working plans. The Conservator remarks, however, that there is no reason why statistics should not be collected for the Peddapalli reserve in the Sarvasiddhi taluk as a preliminary to the preparation of a working plan. This should be done. In *North Arcot* the want of correct survey maps is assigned as the reason for the non-preparation of working plans. This want will, however, be shortly remedied as the Survey of India Party is now engaged in this district.

No satisfactory reasons have been assigned for the want of progress in *Madura*, *Tinnevelly* and *North Malabar*, where forest settlement work cannot be said to be heavy at all events for the present. The Collectors of these districts will take steps to form small working circles and prepare rough schemes for short periods which may be useful when the time comes for the preparation of scientific working plans.

CHAPTER IV.

PROTECTION AND IMPROVEMENT.

(a) *Establishment, Ranges and Beats.*

29. The establishment entertained in each Circle was as shown below:—

		Northern Circle.	Central Circle.	Southern Circle.	Total.
		1892-93.	1892-93.	1892-93.	
	Permanent.				
Controlling staff	Conservators	1	1	1	3
	Deputy Conservators	5	6	6	17
	Assistant do.	3	2	3	8
	Extra Assistant Conservators including three Sub-Assistants.	4	5	4	13
Subordinate staff	Forest Rangers	15	22	20	57
	Foresters	31	48	48	127
	Forest guards	222	299	210	731
Office establishment	Clerks	18	42	45	105
	Peons, &c.	66	70	63	199
	Total	365	495	400	1,260
	Temporary.				
Surveyors		7	4	5	16
Draughtsmen		7	6	4	17
Foresters		1	15	..	16
Overseers		..	1	..	1
Supervisors		..	4	15	19
Depôt-keepers		3	11	11	25
Clerks		7	14	7	28
Permit-keepers		36	17	10	63
Guards		25	..	..	25
Peons		34	6	10	50
Mahouts		6	..	64	70
Tannahdars		189	217	183	589
Maistries		..	12	4	16
Gardeners		62	61	22	145
Lascars		6	20	8	34
Watchers		122	715	207	1,044
Boat syrang		1	1	1	3
	Total	506	1,104	551	2,161

As compared with the previous year there was a decrease of two officers in the Controlling staff due to the retirement of Messrs. H. T. D. Sweet and T. Muhamad Ali Khan Sahib, Assistant Conservators of Forests, and to the fact that no new Assistant Conservators were posted to the Presidency during the period under report. In the subordinate and office establishments there was no change. The temporary establishments for the various Circles were sanctioned with reference to actual necessity and local circumstances.

(b) *General protection and breaches of Forest laws.*

30. The statement in Appendix D shows the number of forest offences reported and the particulars of their disposal.

In paragraph 39 of the Board's report for 1891-92, Collectors were requested to show separately the number of cases sent into Court by the department, the number disposed of by the magistracy and the number pending with the magistrates at the end of the year. No attention has been paid to these instructions by the Collectors of Ganjám, Vizagapatam, Kistna, Anantapur, Cuddapah, Madura, Tinnevelly, Coimbatore (North) and Malabar. The information should not be omitted in the next report.

31. The number of cases reported during the period under review shows a large increase as compared with the figures of the twelve months preceding it.* The increase is noticeable in all the districts, except Kurnool, Trichinopoly, Salem, South Coimbatore and South Malabar. The very large increase in *Gódávari* (626 cases in 1892-93 against 29 in 1891-92) is, however,

	Number of cases.
1891-92	8,124
1892-93	10,905

mostly nominal, being due to the fact that 563 cases of breaches of drift-wood rules, which were not hitherto included in the return of forest offences, have been newly brought to account during the period under report. In the other districts, the increase is partly due to the fact that the present report deals with the transactions of fifteen months, while the previous report related only to twelve. It is also ascribed to more efficient detection in *Anantapur*, *Chingleput*, *Nilgiris* and *South Canara*. The decrease in *Kurnool* is ascribed to inefficient detection chiefly in regard to the Chenchus who set fire to the hill forests. The decrease in *Trichinopoly*, *South Coimbatore* and *South Malabar* is small. In the first of these districts, it is apparently due to want of sufficient supervision by the District Forest-officer over the work of his subordinates; in the second, it is attributed to better prevention; while in *South Malabar*, it is said that the small number of offences detected is due to the fact that the forests are all out of the way and are therefore self-protected. The decrease in *Salem* is ascribed to localization of fellings, to the season having been more favorable, and to the fact that the people have become generally better acquainted with the rules. In *Vizagapatam*, which was the smallest forest area in the Northern Circle, the number of offences is the largest. The Conservator considers that this may be due partly to the resumption of the Palkonda taluk, as, when this taluk was leased, the lessees were not able to control the illicit trade in wood.

Making every allowance for the different circumstances of the various districts, the variations in the number of forest offences reported are in many cases surprising. It is not understood, for instance, why there should be only 78 cases reported in the two *Malabar* districts taken together and 831 in *South Canara*, or four times as many in *Tinnevelly* as in *Madura*. The Conservators are requested to scrutinize the figures of their Circles and investigate the causes of such differences.

32. The percentage of cases withdrawn by the department to the total number of cases disposed of shows a slight increase compared with the previous year (6·7 against 4). The proportion is largest in *South Arcot* (24 per cent. and 333 cases) where it is said that there was great negligence on the part of the Range officers in sending up cases to the magistrates. The Collector has taken steps to avoid a recurrence of this unsatisfactory state of things.

33. The percentage of cases compounded to the total number of cases disposed of shows a slight decrease on the whole (39·2 against 46), though there is an increase in certain districts, notably in Nellore, Chingleput and Trichinopoly. In the last-mentioned district 82 per cent. of the total number of cases were compounded and in *Chingleput* 62 per cent. The increase in these districts is attributed to desire on the part of the ryots to compound, where the offences were petty and were clearly proved, and it is reported that the power of compounding has not been used in cases when the evidence was not sufficient to support a conviction.

34. The percentage of acquittals to the number of cases dealt with by the magistracy shows a satisfactory decrease on the whole, viz., 21·4 per cent. against 24. But looking at the individual districts the results are unsatisfactory in Ganjám, Kurnool, North Arcot, Trichinopoly and Madura where the percentage of acquittals shows a large increase over that of the previous year. The *Madura* results are specially discreditable, there having been 49 acquittals against only 40 convictions, and, as in the previous year, when the results were also bad, no explanation has been given. The District Forest-officer responsible was Mr. H. A. Gass. In *North Arcot* where 37 per cent. of the cases dealt with by the magistracy resulted in acquittal, no explanation has been offered. In *Ganjám* (percentage of acquittals 39), undue leniency on the part of the magistracy in dealing with forest offences is alleged. The Collector states that the matter will receive his attention in his capacity of District Magistrate. In *Kurnool* (percentage 39) and *Trichinopoly* (percentage 36), the Collectors state that the preliminary enquiry ordered to be made by the departmental officers before sending up cases to the magistrates was neglected. The District Forest-officers concerned (Messrs. Murray and Hayne) have apparently paid no attention to the instructions issued on this subject and their Collectors will see that they obey orders in future. In *North Coimbatore*, though the percentage of acquittals was less than in the preceding year, it is still strikingly large (38 per cent.). The Collector explained, with reference to a similar remark in the report for 1891–92, that the large percentage of acquittals was due to

want of proper supervision over the Forest subordinates who were apt to send up cases to magistrates on insufficient evidence or out of malice. The Collector is requested to take steps for bringing this unsatisfactory state of things to an end.

35. The number of cases pending disposal at the end of the period under report was particularly large in proportion to the total number for disposal in Ganjám (174), Gódávari (364), Kistna (318), Cuddapah (280), North Coimbatore (109) and South Canara (180). In *Godávari* and *South Canara* the majority of the cases undisposed of are reported as pending with the magistrates; while in regard to the other districts, no explanation has been given. Where the magistracy is at fault, the matter should receive the attention of the Collector in his capacity as District Magistrate, and stringent orders should be issued to avoid recurrence of the delays on the part of the departmental officers which these figures seem to indicate. Separate proceedings will be issued calling on the above-named Collectors to submit special reports as to the present state of the magisterial file of forest offences.

36. In the *Cuddapah* district, a forest guard and a fire-patrol were murdered in December last in the Palkonda reserve while on duty; two persons were found guilty of the crime and transported for life. A few months later, in the Sibbiyala reserve in the same district, a watchman and his father were found murdered; and since the close of the period under report, another reserve watchman in the Seshachallam reserve was murdered. The Conservator was requested some time ago to visit the district and investigate the causes of this outbreak of crime, and his report is awaited. In *South Arcot*, a case of illicit felling and sale of 9,000 casuarina trees by the departmental subordinates was detected. It was tried under the Indian Penal Code and the accused were sentenced to fine and imprisonment.

37. The Government of India recently called for a report on the operation of the rules relating to the grant of rewards to informers in forest offences with a view to ascertain whether the system was open to abuse by placing temptations in the way of forest subordinates to which they ought not to be exposed. The reports received from the district officers have been submitted with Board's Proceedings, dated 25th September 1893, Forest No. 677. They showed that in the great majority of cases, rewards were granted to private informers and not to Forest officers, and that the powers entrusted to Collectors have been judiciously exercised.

(c) *Forest fires and fire-protection.*

38. The results of fire-protection are recorded in the subjoined abstract:—

Circle.	Up to 31st March 1891.		During 1891-92.			During 1892-93.		
	Area of forest reserves attempted in square miles.	Total cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.
		Rs. A. P.			Rs. A. P.			Rs. A. P.
Northern	1,532	31 7 1	1,103½	96	10 11 3	1,312	98	14 10 0
Central	2,288	40 9 8	2,321	94	6 2 4	2,407	92	9 3 10
Southern	1,108	99 6 6	1,172	92	16 6 7	1,381	98	18 8 6
Total ..	4,928	50 15 7	4,596½	94	9 13 9	5,100	95	13 2 3

The amount expended during the period under report was Rs. 67,020 against Rs. 45,318 in the previous year. The increase in cost is mainly due to the fact that the fifteen months under report cover one entire fire-season and part of another; and it has also to be observed that a larger area was placed under protection than in the preceding year.

The percentage of area burnt to area protected is largest in the Central Circle and exceeds that of the preceding year. The number of forest fires in the Central

Circle was, in fact, more than double that of 1891–92, and exceeds that of the other two Circles taken together, as will be seen from the following statement :—

Circle.	Number of cases of injury to forests by fire.	
	In 1891-92.	During the period under report.
Northern	8	17
Central	27	61
Southern	25	23
Total ...	60	101

This large increase in incendiarism is ascribed to the fact that during the drought which prevailed in the Ceded districts during 1891 and the early part of 1892, the people spared the forest through fear of losing even the dry grass; while in the period under report an early and copious supply of rain was generally predicted, and the ryots, no longer in dread of losing the remaining supply, fired the jungles on all sides.

39. The districts in which forest fires were most numerous and mischievous are Kurnool in the Northern Circle, Cuddapah and Nellore in the Central, and Madura, Tinnevelly and Coimbatore in the Southern Circles. The fires were partly due to incendiarism and partly to accident, *e.g.*, the sparks from a railway engine, or to carelessness on the part of the subordinates. In *Nellore* they are said to have spread from the adjoining zemindari forests and from the Cuddapah district; in *Madura* from the Travancore territory; and in *Coimbatore* from the Mysore forests. In *Tinnevelly* they are ascribed to carelessness on the part of the charcoal-burners in coupes, and to fires kindled in the adjoining zemindari forests. In *Ganjám*, *Vizagapatam*, *Gódávari* and *Bellary* protection was assisted by heavy showers and by the abundance of green-grass consequent on the more favorable season. The system of burning the grass under departmental supervision early in the season to prevent its taking fire when dry was tried successfully in the *Nilgiris* and has been introduced as an experiment into *North Malabar* and *South Canara*. In *Gódávari*, the statistics of areas under protection are reported to be inaccurate. Correct returns should be obtained and furnished in the next report. The question of confining protection to small well-defined areas so as to render it more effectual is under correspondence between the Collector of *Tinnevelly* and the Conservator of Forests, Southern Circle. This matter should be considered in other districts also.

(d) *Grazing.*

40. Towards the close of the period under report the Board called upon Collectors and Conservators to report whether it would not be more advantageous to do away with the distinction now in force between the "privileged" cattle entitled to grazing in forest reserves at half rates as representing necessaries for agriculture and the non-privileged cattle on which full rates have to be levied under the orders of Government. The great majority of these officers are of opinion that the distinction can be advantageously dispensed with and one uniform rate adopted for both. Their reports are now under the consideration of the Board and the question will shortly be submitted to Government. Information regarding the number of each class of cattle, viz., buffaloes, cows, bullocks, sheep, &c., grazed in the reserves not being given in the district reports, the Board has not been able to furnish information regarding the number of cattle and the incidence of tax per head in the form given in abstract J, printed in paragraph 49 of the report for 1891–92.

41. The following table shows the grazing revenue realized in each district during the period under review as compared with that in the twelve months preceding it :—

Districts.	Revenue from grazing fees, grazing contracts and sale of grass realized in			Rates of grazing fees levied
	The twelve months ending March 1892.	The twelve months ending March 1893.	The three months from April to June 1893.	
1	2	3	4	5
	RS.	RS	RS	
Ganjám	131	2,219	423	Half the maximum rates.
Vizagapatam	108	75	..	Not reported.
Gódávari	3,831	4,297	59	The maximum in the coast forests and half rates elsewhere.
Kistna	43,479	45,187	238	The maximum rates.
Anantapur	1,806	1,536	23	Half the maximum
Bellary	8,578	3,841	102	Do. do
Kurnool	12,078	9,213	1,633	Half the maximum in the Nallamalais and one-fourth in the Yerramalais
Total ..	70,011	66,368	2,478	
Nellore	13,861	14,219	836	Grazing is leased out in this district.
Cuddapah	11,629	7,297	3,657	The maximum rates.
Chingleput	909	4,240	1,163	The maximum in some reserves and three-fourths of the maximum in others
North Arcot	13,525	7,139	4,530	The maximum on non-privileged cattle and half on privileged cattle.
South Arcot	4,094	8,362	261	Half the maximum on the district cattle and the maximum on others.
Tanjore	649	631	56	The maximum rates
Trichinopoly	5,162	4,793	510	The maximum for the hill forests and half for others.
Salem	10,121	17,633	667	Half the maximum.
Total ..	59,950	64,314	11,680	
Madura	1,383	929	85	The maximum on non-privileged cattle and half on privileged cattle.
Tinnevelly	2,158	3,349	931	Do. do. do.
North Coimbatore ..	37,032	27,681	13,569	Do. do. do.
South Coimbatore ..	9,324	8,752	5,873	Do. do. do.
Nilgiris	3,323	3,687	1,249	The maximum on the district non-privileged cattle half on privileged cattle, and (under special sanction) double the maximum on alien cattle.
North Malabar	397	383	72	Three annas on buffaloes and two annas on cows, bulls, &c.
South Malabar	144	126	2	Grazing is leased out in this district.
South Canara		..	..	Half the maximum.
Total ..	53,761	44,907	21,781	

NOTE.—The maximum rates above referred to are those sanctioned by Government for non-privileged cattle, viz :—

	Per annum. RS. A. P.
1. For buffaloes	0 8 0
2. For bulls, cows, bullocks, calves, horses, asses and foals ..	0 4 0
3. Sheep and goats	0 2 0

For purposes of comparison the figures for the twelve months ending March 1893 are separately shown in the above. Taking these figures alone into consideration the grazing revenue of 1892–93 shows a considerable falling off in the Northern and Southern Circles, while there is an increase in the Central Circle. The decreases are mainly noticeable in Bellary and Kurnool in the Northern Circle, and in North Coimbatore in the Southern. In the two former districts it is attributed to the fact that there was not so much demand for grass and for grazing in the reserves during 1892–93 as in the year previous, as adequate pasture was available outside the reserves in consequence of the more favorable season. For the decrease in *North Coimbatore* no explanation has been given.

The increase in the Central Circle is mainly contributed by the Chingleput, South Arcot and Salem districts. In *Chingleput* the reserves were practically thrown open to free grazing in 1891–92 in consequence of scarcity; but in the succeeding year the season having been favorable, higher rates within the sanctioned maximum were charged. The increase in *South Arcot* is attributed to the larger number of Tanjore cattle grazed in the Tiruvannámalai reserves and to a more efficient method of collecting the fees on them. In *Salem* the increase is due to the raising of the rates of grazing fees which in the previous year were very low. On the other hand there was

a large decrease in the *Cuddapah* and *North Arcot* districts, in the former owing to the smaller number of cattle admitted to grazing in the reserves, and in the latter to delay in the issue of permits, caused by certain Tahsildars not having furnished in time the returns of cattle entitled to the privileged rates of grazing fees.

42. Grazing fees were levied for the first time in *Ganjám* during the period under review and have now been introduced in *South Canara* also. In *Vizagapatam* the revenue is small, as there is plenty of free grazing in unreserved lands and in the Agency. In *Kistna* and *Nellore* the system of leasing the grazing lands has long been in force. The departmental collection of grazing fees was introduced experimentally in 1891–92 in parts of the former district and is reported to be working satisfactorily. The Collector has recently raised the question of leasing the areas hitherto set apart for free grazing in this district and the matter is now under the consideration of the Board. The system of opening the reserves to grazing by rotation so as to keep a portion of each forest in reserve to meet any sudden demand was introduced in the *Bellary* district. The rates of grazing fees in *Kurnool* having been found to be too low, have now been raised. The small revenue realized in *Madura* is said to be due to want of time on the part of the subordinates who were fully engaged in other work; now that settlement work is drawing to a close in this district this often-offered excuse can no longer be accepted. In *Tanjore* and *Malabar* the amount of grazing revenue realized was also small. The former is not really a forest district, and in the latter there is a large extent of private grazing lands.

43. In the present stage of working of the department, Forest officers cannot devote very much attention to the proper *regulation of grazing*. When the preliminaries in regard to reservation are over, and working plans are developed, the matter will receive more attention. Meanwhile the statistics furnished by the District officers can only be accepted with great caution, and there would be little gained by attempting to draw inferences therefrom. Several Collectors have failed to furnish information as regards the area closed to grazing, the area grazed over and the average number of cattle grazed per square mile. The available information is given in appendix E.

44. *Departmental grass-cutting and hay-making.*—A special report received from the Conservators on this subject was lately submitted to Government. From the reports of the Collectors it is observed that experiments were continued in the period under report in Bellary, Cuddapah, North Arcot, South Arcot, Tinnevelly and the Nilgiris, but they have hitherto proved a failure everywhere. In *Bellary* and the *Nilgiris* part of the hay * collected and stored was damaged by sudden rain and became unsaleable.

District.	Name of forest where hay was collected.	Quantity collected in lbs.	Cost of collecting.	Amount realized.
			Rs.	Rs.
Bellary ..	North-east range and Donimalai range in Sandur.	41,000	112	54
Nilgiris ..	Snowdon and Aramby	4,120	24	16

In *Cuddapah* and *North Arcot* the experiment resulted in a heavy loss owing to absence of demand for dry fodder in consequence of the abundance of green grass outside the reserves. The loss in these districts was about Rs. 5,000 and Rs. 3,000 respectively. In *South Arcot* and *Tinnevelly* there was a strong prejudice against the hay made departmentally, as it was believed to make the cattle sick. The previous year's hay in *Kurnool* and *Salem* became unsaleable chiefly owing to the high prices fixed by the Forest department in the former district, and to the fact that the grass was cut after it had seeded in the latter district. The Collectors of *Salem* and *Nilgiris* have reported that experiments will be renewed with greater care and under more favorable conditions. As stated in Board's Proceedings, dated 3rd October 1893, Forest No. 696, the Board thinks that there is no reason why such operations, if undertaken on a small scale, should not be successful if proper precaution is taken to select suitable localities near centres of demand, and to cut the grass before spear-heads have formed. In *Bellary* 4,073 tons of grass cut departmentally was sold for Rs. 2,502.

In *Cuddapah* the ryots, and in *Tinnevelly* the minor forest produce contractors, were encouraged to cut grass from the reserves which is a great improvement on the system of grazing it down.

(e) *Natural reproduction.*

45. The remarks of the Conservators of the Northern and Central Circles on this subject will be found in appendix F, along with an abstract of the reports of the Collectors of the Southern Circle. Mr. Cherry, the Conservator of this circle, has in his report disposed of the matter in a few short sentences.

In the Northern Circle, reproduction was satisfactory in all the districts except *Anantapur*. The sâl (*Shorea robusta*) is the chief timber tree in the *Ganjám* and *Vizagapatam* districts, and the Yepi (*Hardwickia binata*) in *Kistna*, *Bellary* and *Anantapur*. The effects of continuous protection are most striking in the Peddapalli reserve in the *Vizagapatam* district. The reproduction of sâl (*Shorea robusta*) in *Ganjám* is rapid even in unprotected blocks. In *Gódávari* reproduction is somewhat affected in certain reserves by the surplus water of the delta irrigation. In *Kistna*, the growth of prickly-pear (*Opuntia dillenii*) in salt marshes is found to be a protection to seedlings and to bind the sand and form a soil with its own *debris*. Reproduction in *Anantapur* is retarded by extreme dryness and want of cover; in the Nallamalais in *Kurnool*, by regularly recurring fires; and in the Yerramalais in the same district by excessive grazing.

The Conservator, Central Circle, observes that "no special measures were undertaken during the period under report to facilitate natural reproduction from seed from the standing mother-trees by opening out the canopy or by clearing undergrowth. Nothing can be undertaken systematically until the subordinate staff is strengthened and the works of selection and demarcation are further advanced." Reproduction from coppice was satisfactory in Balapalle and in the Aradur and Sathiavedu reserves in *Cuddapah* and *Chingleput* respectively. Seedlings of *Bambusa arundinacea* and *Dendrocalamus strictus* were found in abundance on the Javadi hills in *North Arcot* and *Salem* wherever spared by the cattle. In *North Arcot* 3 areas in the Javadis were fenced to encourage sandalwood reproduction. The result was fairly successful. In forests consisting chiefly of *Albizzia amara* there was no reproduction even where grazing was limited. In *Nellore*, the coppicing of casuarina was found to be a failure.

In the Southern Circle, natural reproduction is reported to be unmistakeably good under proper protection; but some areas which are rich in grass and are not grazed sufficiently are liable to fires and do not improve. In the *Nilgiris* the *Eucalyptus* and the teak (*Tectona grandis*) are growing well from coppice shoots. In *South Malabar*, the seedling growth of *Xylia dolabriformis*, *Lagerstræmia microcarpa*, *Pterocarpus marsupium* and *Dalbergia latifolia* is good. In *South Canara*, the principal enemies to reproduction are grazing, fire, high winds, hilly ground and violent floods.

(f) *Artificial reproduction.*

46. The subjoined statement shows the area under plantations, topes and cultural operations together with the cost incurred during the period under report as compared with the figures of the preceding year:—

Abstract H.—Plantations, topes and cultural operations in other areas.

—	Plantations.								Topes.			
	Up to 1891–92.		Added during				Total.		Up to 1891–92		Added during	
			1891–92.		1892–93.						1891–92.	
	Area in acres.	Cost.	Area in acres.	Cost.	Area in acres.	Cost.	Area in acres.	* Cost.	Area in acres.	Cost.	Area in acres.	Cost.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Northern Circle	909	34,201	25	2,593	2	3,008	936	39,802	3,517	18,316	..	1,204
Central ,, ...	12,676	6,52,122	750	21,563	3	26,749	13,429	7,00,434	7,909	3,47,687	2,577	4,661
Southern ,, ...	6,275	4,50,208	124	12,622	224	18,377	6,623	4,81,207	14,363	59,277	159	2,287
Grand Total ..	19,860	11,36,531	899	36,778	229	48,134	20,988	12,21,443	25,789	4,25,280	2,736	8,152

—	Topes—*cont.*				Other areas.							
	Added during		Total.		Up to 1891–92.		Added during				Total	
	1892–93.						1891–92.		1892–93.			
	Area in acres.	Cost.	Area in acres.	* Cost.	Area in acres.	Cost.	Area in acres.	Cost.	Area in acres.	Cost.	Area in acres.	* Cost.
	14	15	16	17	18	19	20	21	22	23	24	25
		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Northern Circle	25	1,902	3,542	21,422	412	4,300	10	1,688	37	1,872	459	7,860
Central ,, ...	— 170	6,577	10,316	3,58,925	3,764 † mls. 100	40,722	67	2,143	42	2,450	3,873 † mls. 100	45,315
Southern ,, ...	12	327	14,534	61,891	1,961	12,959	211	1,995	312	3,535	2,484	18,489
Grand Total ..	— 133	8,806	28,392	4,42,238	6,137 † mls. 100	57,981	288	5,826	391	7,857	6,816 † mls. 100	71,664

* Includes maintenance of existing plantations, topes, &c.

† "Running miles;" the area is not given.

The additions to the area of plantations were mainly in the *Madura*, *Nilgiri* and *South Malabar* districts. The decrease in the area of topes is merely nominal, being due to a revised estimate of areas in the Central Circle. Five new topes were added to the list—one in *Vizagapatam*, one in *Chingleput* and three in *South Arcot*. The districts in which new areas were brought under cultural operations were *Ganjám*, *Nellore* and *Tinnevelly*. The cost under all heads shows a considerable increase; but it must be remembered that this report deals with the transactions of fifteen months instead of twelve.

Information in respect of the work done in the various districts under (*f*) *Artificial reproduction*, (*g*) *Improvement fellings*, (*h*) *Experiments and planting of Exotics* will be found in Appendix F. It will suffice here to quote the following remarks of the Conservator, Central Circle, in regard to artificial reproduction:—

"In this circle, experience has shown that broadcast sowings unaccompanied by preparation of the soil are a failure and waste of money. The success of such work even when the season is favorable depends upon the interest and energy shown by the subordinates in charge, and these qualities, I fear, are generally wanting. District Forest-officers have no time to personally supervise such work."

Mr. Morgan, District Forest-officer, Nilgiris, has taken much interest in experiments with exotics in that district. It is observed that no such experiments were made in Kurnool and Anantapur.

(i) *Communications and Buildings.*

47. The subjoined statement shows the outlay on communications and buildings during the period under report as compared with the preceding year:—

	1891–92.	Fifteen months ending June 1893.
	RS.	RS.
Roads and bridges	30,796	37,286
Buildings	38,035	59,395
Other works	3,666	3,625

The percentage of the total outlay on roads and buildings during the period under report to the gross revenue was 5·1 against 4·2 in 1891–92. As usual, the expenditure on buildings greatly exceeds that on roads. A list of the principal new roads and buildings completed during the year is appended (Appendix G).

In several districts the expenditure on new roads was stopped pending sanction to a general project of road works drawn up with reference to the remark in Government of India's review of the report for 1890–91.

Considerable sums were, however, spent in repairs and improvements to existing roads in several districts, notably in Anantapur, South Arcot, Nilgiris and North Coimbatore.

Tramways.

48. The results of the working of the tramway in North Arcot and Nellore are detailed in Appendix H. In *North Arcot*, the working of the tramway shows a loss as compared with transport by carts; but it must be remembered that though the tramway was actually worked only for 3 months during the year, interest and depreciation have been calculated for the whole year. As it was not found feasible to work the line adequately in the North Arcot district, it has been sent to *Nellore* since the close of the period under report.

Of the two lines in *Nellore* the one in the casuarina plantations was worked at a profit, while that at Sriharikota was less successful. The results of the latter would have been more favorable, had it not been for the fact that the new waggons were received only in November 1892 and the estimated quantity of wood was not therefore fully exported.

In *Cuddapah* two miles of permanent line of tramway and several temporary offshoots have been laid down in Ballapalli working circle block II. The work has been well done. The revenue and expenditure of the line are as follow:—

		Rs.	A.	P.
Expenditure.				
(*a*) Cost of material		13,967	5	10
(*b*) Cost of laying lines		1,850	9	0
(*c*) Cost of trucking fuel		93	9	6
Total ...		15,911	8	4
Revenue.				
(*d*) Received from the Contractor for the use of the trucks for transporting his fuel		191	1	6
Profit (*d*—*c*)		97	8	0

Calculated on the total capital cost of the tramway and of laying the line, it will be seen that the net profit was only ·6 per cent. during the 18 months the line has been in the district. It has to be remembered however that for 8 months no revenue was realized as the line was under construction. From the current year allowance should be made for interest on the capital outlay and depreciation of stock and the results reported in the form given in Appendix H to this report for the North Arcot and Nellore districts. The working of the tramway in *South Coimbatore* has resulted in a loss. The accounts of this line have been worked out by the Collector on somewhat different lines from those in Nellore and North Arcot. They are also printed in Appendix H.

Canal.

49. The canal in Lankavanidibba in *Kistna* is reported to have silted up. Steps will be taken to have it cleared in the current year.

Boats.

50. Two new boats were purchased in *South Malabar* and the District Forest-officers' boats in *Gódávari* and *Kistna* were repaired at a cost of Rs. 200 each and minor repairs were done to the foresters' boats in the latter district. A boat in *Nellore* became useless and was sold. A small boat was bought for the reserve watcher at Coringa in *Gódávari*.

CHAPTER V.

Yield and Working.

51. The total quantity of timber and other produce cut and removed during the period under report is shown in the subjoined abstract :—

Abstract I.—Comparative yield as per Forms 69, 72-A and 72-B.

—	Timber (in cubic feet) including sandal-wood.		Fuel (in cubic feet).	
	1891-92.	1892-93 (1st April 1892 to 30th June 1893).	1891-92.	1892-93 (1st April 1892 to 30th June 1893).
1	2	3	4	5
By Government Agency	266,546	(*a*) 292,300	1,806,320	(*b*) 2,038,099
By purchasers (including confiscations) ..	2,722,596	2,634,450	12,179,502	10,098,923
Free grants	97,795	39,806	1,351	1,543
Total ..	3,086,937	2,966,556	13,987,173	12,138,565
Increase or decrease in 1892-93 as compared with 1891-92	..	— 120,381	..	— 1,848,608
Percentage of increase or decrease over the previous year's total	..	— 4	..	— 13

(*a*) Includes 6,197 cubic feet, being excess found on remeasurement of timber and sandal-wood collected and taken to depôt in previous years as per form No. 70.
(*b*) Includes 6,485 cubic feet, being excess found on remeasurement as per form No. 70.

—	Bamboos (in number).		Minor produce (gross value in rupees).	
	1891-92.	1892-93 (1st April 1892 to 30th June 1893).	1891-92.	1892-93 (1st April 1892 to 30th June 1893).
	6	7	8	9
By Government Agency	32,352	34,089	(a) 45,051	(a) 48,961
By purchasers (including confiscations) ..	31,035,500	20,652,606	5,95,158	7,54,097
Free grants	(b) 82,913	92,748	633	207
Total ..	31,150,765	20,779,393	6,40,842	8,03,255
Increase or decrease in 1892-93 as compared with 1891-92	..	— 10,371,372	..	+ 1,62,413
Percentage of increase or decrease over the previous year's total	..	— 33	..	+ 25

(a) Includes grazing fees. (b) Includes 2,700 bamboos omitted in the report for 1891-92.

NOTE.—The value of minor produce given above is that of the quantity *disposed* of, not that of the quantity *collected*, as the value of the latter is not known.

The removals of timber, fuel and bamboos show a decrease as compared with those of 1891-92 while the value of minor produce alone shows an increase. The decreases occur under removals by purchasers.

The decrease in timber is mainly due to the closing of a certain reserve against cutting in *Gódávari*, to the fact that in *Kistna* the jungle from which removals were made in former years was nearly exhausted, to smaller revenue from sale of trees on lands assigned for cultivation in *Nellore* and to want of time on the part of the establishment in *Madura* to supervise removals. There are also considerable decreases in *Cuddapah* and *North Malabar* which have not been explained.

The falling off under firewood is due to want of demand from the Public Works Department in *Ganjám*, to keen competition from private forests in *Bellary*, and to slack demand in *Kurnool*. The Collectors of *Cuddapah*, *North Arcot* and *South Arcot* have not explained the variations in their districts.

The decrease in the number of bamboos occurs mainly in Kistna, North Arcot, Trichinopoly, Salem and Nilgiris. In the first named district it is due to the closing of a bamboo forest against cutting. The decreases in the other districts have not been explained.

The average yield per square mile of forest area was 879 cubic feet of timber and fuel, 1,209 bamboos and Rs. 47 worth of minor produce, against 954 cubic feet of timber and fuel, 1,742 bamboos and Rs. 36 worth of minor produce, respectively, in the previous year.

Section I.—Departmental operations.

52. The numbers of trees felled by departmental agency and converted into logs, &c., are shown in the subjoined abstract:—

Year.	Balance on hand at the beginning of the period under report.	Number of trees felled during the period under report.	Total.	Converted into logs, &c., during the period under report.	Balance on hand at the end of the period under report.
1891-92	479	27,022	27,501	26,293	1,208
1892-93 (15 months) ..	1,208	58,002	59,210	58,199	1,011

Even making allowance for the fact that the period under report comprises 15 months against 12 months in the preceding year, the number of trees felled shows a large increase, chiefly in Gódávari, Kistna, Bellary and North Arcot. The increase in *Gódávari* is due mainly to the felling of teak trees in the unreserved forests of the

Bhadráchalam sub-division and to a large number of trees blown down by a heavy storm in one of the coast plantations. In *Kistna* and *Bellary* sample areas were felled for the preparation of working plans. In the former district the large number of trees withered by the drought also contributed to the increase. The increase in *North Arcot* has not been explained, and it is observed that, though the number of trees felled there was larger, the quantity of timber and fuel collected was less than in the previous year.

53. The following abstract shows the statistics of timber and other produce collected and disposed of departmentally during the period under report as compared with the year preceding:—

ABSTRACT J.—Produce collected and disposed of (Forms 69, 70 and 71).

Produce collected.	During 1891-92.			During 1892-93 (from 1st April 1892 to 30th June 1893).		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2	3	4	5	6	7
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber in cubic feet ..	261,420	45,981	0 2 10	(a) 288,744	62,802	0 3 5
Fuel in cubic feet ..	1,806,820	70,437	0 0 7	(b) 2,038,099	84,900	0 0 8
Bamboos in number ..	32,352	1,034	0 0 6	34,039	1,492	0 0 8
Sandalwood in cubic feet	5,126	4,971	0 15 6	(c) 3,556	3,697	1 0 8
Minor produce in maunds of 25 lbs. ..	184,404	41,276	0 3 7	(d) 38,430	29,088	0 12 1
Total ..	..	1,63,699	..	..	1,81,979	..

Produce disposed of.	During 1891-92.			During 1892-93 (from 1st April 1892 to 30th June 1893).			Stock on 1st April 1892.	Stock on 30th June 1893.
	Quantity.	Sales.	Average.	(e) Quantity.	Sales.	Average.		
	8	9	10	11	12	13	14	15
		Rs.	Rs. A. P.		Rs.	Rs. A. P.		
Timber in cubic feet ..	389,808	1,66,936	0 6 10	393,490	1,79,592	0 7 4	264,640 (f)— 340 (g)—1,141	158,413
Fuel in cubic feet ..	1,833,591	1,22,049	0 1 1	2,368,992	1,35,995	0 0 11	894,816 (f)+ 340 (g)—1,401	562,862
Bamboos in number ..	45,867	1,312	0 0 5	58,859	4,144	0 1 2	31,514	6,694
Sandalwood in cubic feet	4,183	40,957	9 12 7	4,140	40,100	9 10 11	1,828	1,244
Minor produce in maunds of 25 lbs. ..	36,548	45,051	1 3 8	152,082	48,951	0 5 2	157,921	44,269
Total ..	..	3,76,305	..	..	4,08,782	..	..	..

(a) Includes 6,195 cubic feet found in excess in depôts as per form No. 70.
(b) Do. 6,485 do do. do. do.
(c) Do. 2 do. do. do. do.
(d) Do. 28 maunds do. do. do.
(e) Do. that used departmentally, written off, &c., as per forms 69 and 70.
(f) 340 cubic feet wrongly classed under miscellaneous timber during 1891-92 has been correctly classed under fuel this year.
(g) Quantity shown in excess during 1891-92.

54. The quantity of timber and fuel and the number of bamboos *collected* show a considerable increase; and this is what might be expected from the longer period to which this report relates. But taking the individual districts into consideration, there is a large decrease under timber collected in Ganjám, Cuddapah, North Arcot, South Arcot, Tinnevelly, North Coimbatore and North Malabar. This decrease was more than counterbalanced by an increase in Gódávari, Kistna, Kurnool, South Malabar and South Canara. In *Ganjám* the departmental felling was restricted so as not to interfere with the purchasers removing marked trees under permits. In *Cuddapah*, owing to slack demand for redwood roots and stumps, of which there was a large stock on hand, a smaller quantity was collected by the department during the period under report. The decrease in *South Arcot* is attributed to want of establishment to undertake

departmental operations, and also to slack demand for casuarina timber in the coast plantations. The decreases in *North Arcot*, *Tinnevelly*, *North Coimbatore* and *North Malabar* have not been explained.

The increase in *Gódávari* and *Kistna* is due to the larger number of trees felled which has been already explained. In *Kurnool* departmental fellings were carried out in 1892–93 ; this was not done in the previous year. *In South Malabar* the Nilambur plantation was newly worked during 1892–93 and the outturn of timber in Amarampalam and Palghat Ranges was larger than in the previous year. In *South Canara* there was greater demand for timber for certain large public buildings.

Under *disposal of timber* there was a large increase in Cuddapah due to the sale of the stock collected in previous years. The larger sale in the Nilgiris is due to the greater demand for timber from Mysore merchants.

55. Under disposal of *fuel* the increase is the net result of large decreases in Ganjám, Gódávari, Cuddapah, South Arcot, Trichinopoly and Madura, counterbalanced by increase in Kistna, Bellary, Kurnool, Nellore, Salem, Tinnevelly, South Coimbatore, Nilgiris and South Canara.. In *Ganjám* there was no demand for fuel from the Public Works Department as in the previous year. In *Gódávari*, though the quantity collected was larger, the quantity disposed of was less than in the previous year, and no explanation is given for the discrepancy. In *Cuddapah*, *South Arcot* and *Trichinopoly*, the decrease is attributed mainly to the absence of demand from the Railways ; and in *Madura* to the competition from private dealers who undersold the departmental fuel and to the difficulty in getting carts as the owners were engaged in conveying material to the Periyár works. The increase in *Bellary* is due to the felling of sample areas ; in *Kistna* to the sale of the stock of previous years ; and in *Kurnool* to departmental operations having been newly undertaken during the period under report. In *Salem* fuel was supplied departmentally to the Railway Company and to the Central Jail ; in the *Nilgiris* to the Commissariat ; and in *South Canara* to the sandalwood-oil distillers. In *Nellore*, *Tinnevelly* and *South Coimbatore*, the increase was mainly due to the inclusion of the transactions of the three months from April to June 1893.

56. Under disposal of *bamboos*, the increase occurs mainly in the Cuddapah and in the North and South Arcot districts. These variations have not been explained. On the other hand a large decrease occurred in Kurnool owing to the fact that the collection of bamboos departmentally in the previous year was undertaken to provide work for the hill tribes during the scarcity which has since passed away.

57. Under *minor produce*, while the quantity *collected* shows a large decrease, the quantity *disposed of* shows an increase, as compared with the preceding year. This is due to the fact that a large quantity of hay collected in the preceding year in Kurnool, Cuddapah, North Arcot and Salem was either written off or sold during the current year. Even excluding this, the quantity of produce collected during the period under report shows a decrease which is specially noticeable in South Coimbatore and is attributed to the indifference of the Range officers in that district. The Collector and Conservator are in favour of abandoning the departmental system and adopting the leasing system in this district. In South Canara, this change from the departmental to the leasing system was adopted during the period under report and is said to be working satisfactorily.

58. The cost of collection under all the heads was higher than in the preceding year. The reason for this has not been explained in the Collectors' reports. As regards minor produce, even if the quantity and cost of grass which is included under this head (viz., 150,386 and 9,096 maunds and Rs. 13,842 and 678 respectively), are deducted from the figures of both years, the cost per maund in 1892–93 will be found to be about Annas 15–6 against Annas 12–11 in 1891–92. The rates of prices realized during the period under report except in the case of fuel are slightly better than those of the previous year ; but the net profit, except in the case of bamboos is much less, as the cost of collection is greater.

Section II.—Removals by purchasers under the permit system.

59. The subjoined abstract shows the quantity and value of timber and other produce removed under the permit system, compared with the results of the preceding year.

ABSTRACT K.—Produce removed by permit-holders on seigniorage or otherwise (Appendix 72-A).

Produce.	During 1891-92.			During 1892-93 (from 1st April 1892 to 30th June 1893).		
	Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. .. C. ft.	1,242,240	1,20,179	0 1 7	1,364,512	1,23,528	0 1 5
Firewood .. .. .. ,,	3,525,138	54,318	0 0 3	2,859,225	55,644	0 0 3
Bamboos .. .. .. No.	10,924,176	56,604	0 0 1	11,858,261	68,638	0 0 1
Grass and grazing	..	68,458	..	..	68,670	..
Minor produce	..	88,709	..	..	82,538	.
Total ..	..	3,88,268	..	..	3,99,018	. ..
Central Circle.						
Timber .. .. .. C. ft.	1,128,210	81,927	0 1 2	976,233	96,557	0 1 6
Firewood .. .. .. ,,	5,861,006	1,26,453	0 0 4	3,681,693	1,50,804	0 0 8
Bamboos .. .. .. No.	19,734,374	66,880	0 0 1	6,460,979	77,824	0 0 2
Grass and grazing	..	60,133	..	..	76,595	..
Minor produce	..	2,27,591	..	..	2,93,925	..
Total ..	..	5,62,984	..	..	7,01,705	..
Southern Circle.						
Timber .. .. .. C. ft.	307,249	46,558	0 2 5	250,900	45,592	0 2 11
Firewood .. .. ,,	2,777,741	79,701	0 0 6	35,17,831	91,706	0 0 5
Bamboos .. .. .. No.	355,034	21,659	0 1 0	2,291,488	25,850	0 0 2
Grass and grazing . ..	..	53,420	..	..	66,077	..
Minor produce	..	95,479	..	..	1,58,830	..
Total ..	..	2,96,817	..	..	3,88,655	..
Presidency Total—						
Timber .. .. .. C. ft.	2,677,699	2,48,664	0 1 6	2,591,645	2,65,677	0 1 7
Firewood .. .. .. ,,	12,163,885	2,60,472	0 0 4	10,058,749	2,98,154	0 0 5
Bamboos .. .. .. No.	31,013,584	1,45,143	0 0 1	20,610,728	1,72,312	0 0 1
Grass and grazing	..	1,82,011	..	..	2,11,942	..
Minor produce	..	4,11,779	..	..	5,41,293	..
Grand Total of sales, Rupees ..	..	1,248,069	..	..	14,9,378	..

Under timber, fuel and bamboos the *value* of the sales shows an increase, while the *quantity* removed shows a decrease. The increase in the value is chiefly due to the better prices realized for the produce owing to greater demand arising from a more favorable season, as well as to better supervision over the removals.

60. In the value of *timber* sold the increase was small and occurred in all the districts except Gódávari, Kistna, North Arcot, Tanjore, North Coimbatore, North Malabar and South Malabar. In *Godávari* a certain reserve was closed against cutting; in *Kistna* the jungle from which the bulk of the revenue under this head was derived was nearly exhausted in previous years and restrictions were placed on the removal of babul (*Acacia Arabica*) and palmyras (*Borassus flabelliformis*). In *North Arcot*, it is said that the permit system was discouraged for want of officers to supervise the fellings; but this explanation can only account for a decrease in the quantity, and not for the increase in the quantity and the decrease in the revenue which occurred in this district. In *Tanjore*, the decrease is small, while the decreases in *North Coimbatore* and *North Malabar* have not been explained. In *South Malabar*, while the quantity shows an increase, the value shows a falling off, and this is ascribed to the fact that a large quantity of inferior jungle wood was removed from the new clearings at Nilambur. The increase is mainly due to greater demand in the *Nilgiris*, to better detection in *South Canara*, to more favorable season in *Cuddapah*, to larger sales of trees on lands assigned for cultivation in *Bellary* and *Chingleput* and to larger sales of trees in tank-beds, &c., in *Salem*.

61. The increase in the value of *fuel* occurred mainly in Gódávari, Chingleput, North and South Arcot, Tanjore, Salem and North Coimbatore. It was partially counter balanced by a large decrease in Bellary and Cuddapah. The increase is mainly due to larger demand owing to the opening of the railway in *Godávari*, to the larger sale of trees in lands assigned for cultivation in *Chingleput*, to competition in the

sale of fuel coupes in *South Arcot*, to better check on removals in *Salem*, and to greater demand in *Tanjore*. The increase in *North Arcot* and *North Coimbatore* has not been explained.

The increase under *bamboos* is generally due to larger removals and is spread over several districts; but in Kistna and South Arcot, there was a large falling off, in the former owing to the closing of the Kondapalli reserve against cutting, and in the latter owing to the last lease of the bamboo coupes not having fetched a good price. There were also slight decreases in Anantapur, North Arcot, Tanjore, and Madura; but these do not call for any special remark.

62. The variations under *grazing* have been explained under chapter IV, section (*d*).

63. The value of *minor produce* shows a very large increase, which occurs in almost all the districts except Kistna, Bellary, Anantapur and Nellore. In the first two districts, the decrease is attributed to the failure of fruit crops consequent on the drought; in *Anantapur* to the restrictions placed on the cutting of *tangedu* (*Cassia auriculata*) with a view to improve its growth by providing rest from cutting and in *Nellore* to the complete cessation of the mica-mining enterprise. The increase in the several districts is mainly due to the inclusion of the figures of the three months from April to June 1893. It is also partly due to the increase under "*amroy*" (rent of mango topes) in *Cuddapah*; to the larger removal of leaf manure in *Tanjore*; to better offers obtained for minor produce generally in *Salem*; to the advance collection of the rent of 1893–94 in the *Nilgiris*; and to the introduction of the leasing system for the first time in *South Canara*.

64. The subjoined statement shows the comparative cost of departmental and private working and the net profit under each system. The statement has been worked out on the lines adopted in the report for 1891–92:—

Items.	Measure	Quantity collected (Forms 69, 70 and 72).	Amount of sale-proceeds (Forms 71 and 72).	Add or deduct increase or decrease in value of stock in hand.	Net financial result (column 4 + or − column 5).
1	2	3	4	5	6
Departmental Working—			Rs.	Rs.	Rs.
Timber	Cubic feet.	288,744	1,79,592	— 5,821	1,73,771
Fuel	Do.	2,038,099	1,35,995	— 42	1,35,953
Bamboos	Number.	34,039	4,144	— 100	4,044
Sandalwood	Cubic feet.	3,556	40,100	+ 21,064	61,164
Minor produce	Maunds.	38,430	48,951	— 20,112	28,839
Private Working—					
Timber	Cubic feet.	2,591,645	2,65,677	..	2,65,677
Fuel	Do	10,058,749	2,98,154	..	2,98,154
Bamboos	Number.	20,610,728	1,72,312	..	1,72,312
Grazing	..	Not known.	2,11,942	..	2,11,942
Minor produce	..	Do.	5,41,293	..	5,41,293

Items.	Charges (form 64).			Net profit or loss (column 6 — column 9).	Rate of net profit (column 10÷column 3) per measure in column 2.
	A. Conservancy and Works.	B. Establishment and Contingencies.	Total.		
	7	8	9	10	11
Departmental Working—	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Timber	62,802	89,119	1,51,921	+ 21,850	+ 0 1 3
Fuel	84,900	67,485	1,52,385	— 16,432	— 0 0 1
Bamboos	1,492	2,056	3,548	+ 496	+ 0 0 3
Sandalwood	3,697	19,898	23,595	+ 37,569	+ 10 9 0
Minor produce	29,088	24,292	53,380	— 24,541	— 0 10 3
Private Working—					
Timber	16,275	36,207	52,482	+ 2,13,195	+ 0 1 4
Fuel	18,268	40,636	58,904	+ 2,39,250	+ 0 0 4
Bamboos	10,555	23,488	34,043	+ 1,38,269	+ 0 0 1
Grazing	12,923	28,750	41,673	+ 1,70,269	Not known.
Minor produce	33,169	73,769	1,06,938	+ 4,34,355	Do.

Except in the case of fuel and minor produce, departmental working shows a net profit and in the case of bamboos this profit is larger than under private working.

65. The sales of produce confiscated for removal without permit by private purchasers are shown in the subjoined abstract:—

ABSTRACT L.—Confiscation.

	During 1891-92.			During 1892-93.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Timber .. .. C. ft	32,036	7,712	0 3 10	26,869	5,922	0 3 6
Firewood .. .. .. „	6,628	490	0 1 2	9,804	639	0 1 1
Bamboos .. .. .. No.	6,930	102	0 0 3	5,909	43	0 0 1
Minor produce. Money value.	..	763		..	320	..
Total ..	..	9,067	..	..	6,924	..
Central Circle.						
Timber .. .. C. ft.	7,179	2,119	0 4 9	7,946	2,835	0 5 9
Firewood .. .. .. „	6,382	429	0 1 1	22,388	642	0 0 6
Bamboos .. .. .. No.	10,086	130	0 0 2	26,355	52	0 0 0½
Minor produce. Money value.	..	327	..	..	423	..
Total ..	..	3,005	..	..	3,952	..
Southern Circle.						
Timber .. .. .. C. ft.	5,682	1,162	0 3 3	7,990	989	0 2 0
Firewood .. .. .. „	2,612	142	0 0 10	7,982	318	0 0 8
Bamboos .. .. .. No.	4,900	102	0 0 4	9,614	103	0 0 2
Minor produce. Money value.	.	278	..	..	119	..
Total ..	..	1,584	..	..	1,529	..
Presidency Total. Timber .. .. C. ft	44,897	10,993	0 3 11	42,805	9,746	0 3 8
Presidency Total. Firewood .. „	15,617	1,061	0 1 1	40,174	1,599	0 0 8
Presidency Total. Bamboos .. No.	21,916	334	0 0 3	41,878	198	0 0 1
Presidency Total. Minor produce. Money value.	..	1,368	..	..	862	..
Grand Total ..	..	13,756	..	..	12,405	..

There is an increase in the value of firewood, but a decrease under timber, bamboos and minor produce, the net result being a decrease of Rs. 1,351. This decrease is small and spread over several districts, viz., Gódávari, Kistna, Anantapur, Kurnool, Cuddapah and North Coimbatore.

Section III.—Free grants of forest produce.

66. The following statement shows the value of timber and other produce removed on free permits during the period under report:—

ABSTRACT M.—Free grants.

Districts.	Timber.	Firewood.	Bamboos.	Minor produce.	Total money value.
Northern Circle.	C. FT.	C. FT.	NO.	RS.	RS.
Ganjám ..	5,360	..	20,200	..	411
Gódávari ..	5,550	..	6,600	..	596
Kistna ..	1,180	..	..	67	171
Anantapur ..	1,236	..	..	1	110
Bellary ..	2,320	..	..	108	271
Kurnool ..	2,940	..	26,500	..	331
Total ..	18,586	..	53,300	176	1,890
Free grants of previous year ..	5,749	915	12,069	45	619
Central Circle.					
Nellore ..	1,851	..	..	2	230
Cuddapah ..	520	..	13,500	..	271
Chingleput ..	..	..	..	28	28
North Arcot ..	3,365	600	5,700	1	776
South Arcot ..	520	400	1	..	61
Trichinopoly ..	1,244	..	1,050	..	90
Salem ..	778	..	1,892	..	180
Total ..	8,278	1,000	22,143	31	1,636
Free grants of previous year ..	89,070	400	65,384	588	10,033
Southern Circle.					
Madura ..	1,000	..	..	..	75
North Coimbatore ..	2,160	..	8,750	..	190
South ,, ..	5,320	..	..	..	41
Nilgiris ..	3,990	63	5,955	..	650
North Malabar ..	472	480	2,600	..	62
Total ..	12,942	543	17,305	..	1,018
Free grants of previous year ..	2,976	36	(a) 5,460	..	(a) 318
Total free grants for 1892-93 ..	39,800	1,543	92,748	207	4,544
Total free grants for 1891-92 ..	97,795	1,351	(a) 82,913	633	(a) 10,970

(a) The Collector of Coimbatore reports that 2,700 bamboos valued at Rs. 17 and given away on free permits during 1891-92 were omitted to be shown in that year's report by a mistake. The number and the value have been now included.

The total results show a large decrease, which occurred chiefly in the Nellore and North Arcot districts in the Central Circle. In the former, the necessity for free grants was less, owing to early rains in consequence of which the damage to houses caused by fire was less. In the latter district, the decrease is due to the fact that no free grants were made to ryots for agricultural implements. In the Northern and Southern Circles there was an increase chiefly in Gódávari, Kistna, Kurnool and Nilgiris. The increase in *Gódávari* has not been explained. In *Kistna* it is attributed to the large number of fires that broke out in the early part of the year. In *Kurnool* it is stated that the fires were more numerous owing to the inclusion of two fire seasons during the year under report. In the *Nilgiris* large grants were made to the Todas for building huts and to the Badagas for cattle-kraals (sheds) owing to the adverse season at the beginning of the year.

CHAPTER VI.

FINANCIAL RESULTS.

67. The revenue and expenditure in each Circle for the period under report as per Accountant-General's Form No. 64 are shown below in comparison with the actuals of the year 1891-92 :—

Items.	Circles.	1891-92.	1892-93.	The three months from April to June 1893.	Total for the 15 months.
		Rs.	Rs.	Rs.	Rs.
Revenue	Northern	4,38,680	3,57,732	96,337	4,54,069
	Central	7,01,855	7,01,279	1,62,320	8,63,599
	Southern	5,53,680	5,18,201	1,29,949	6,48,150
	Total ..	16,94,215	15,77,212	3,88,606	19,65,818
A. Conservancy and Works	Northern	1,16,974	1,10,168	29,828	1,39,996
	Central	2,47,479	2,31,187	60,030	2,91,217
	Southern	(a) 3,08,317	3,36,818	59,498	3,96,316
	Total ..	(a) 6,72,770	6,78,173	1,49,356	8,27,529
B. Establishment ..	Northern	1,53,177	1,78,674	47,566	2,26,240
	Central	2,16,450	2,47,061	57,064	3,04,125
	Southern	2,23,757	2,26,350	54,684	2,81,034
	Total ..	5,93,384	6,52,085	1,59,314	8,11,399
Total of expenditure ..	Northern	2,70,151	2,88,842	77,394	3,66,236
	Central	4,63,929	4,78,248	1,17,094	5,95,342
	Southern	(a) 5,32,074	5,63,168	1,14,182	6,77,350
	Total ..	(a) 12,66,154	13,30,258	3,08,670	16,38,928
Net result	Northern	+ 1,68,529	+ 68,890	+ 18,943	+ 87,833
	Central	+ 2,37,926	+ 2,23,031	+ 45,226	+ 2,68,257
	Southern	(a) + 21,606	− 44,967	+ 15,767	− 29,200
	Total ..	(a) + 4,28,061	+ 2,46,954	+ 79,936	+ 3,26,890

(a) The figures in the last annual report have since been reduced by the Accountant-General—*vide* his letter in Government Order, dated 2nd September 1893, No. 3236.

68. For purposes of comparison, the figures of the twelve months ending 31st March 1893 are shown separately. The variations both in the revenue and expenditure have been explained in paragraphs 5 to 8, chapter I, of Board's Proceedings, dated 31st October 1893, Forest No. 744, submitting to Government the budget estimates of receipts and charges for 1894–95. It will suffice here to say that the revenue for the first twelve months of the period under report showed a decrease of Rs. 1,17,000, while the expenditure showed an increase of about Rs. 5,000 under "A. Conservancy and Works" and about Rs. 59,000. under "B. Establishments." The decrease in the revenue is chiefly in the Northern and Southern Circles, and is due to the following causes :—

(*a*) Scarcity during the first three moths of the year in *Kurnool* which led to reduced demand for forest produce and the subsequent heavy rains which prevented larger removals.

(*b*) Short removals of produce in *Godavari* and *Kistna*.

(*c*) The restriction placed on the cutting of Tangedu (*Cassia auriculata*) in *Anantapur*.

(*d*) Less demand for Sandúr hill grass in *Bellary*.

(*e*) Smaller quantities of timber sold departmentally in *South Coimbatore* and *South Malabar*.

(*f*) Less demand for firewood in *Madura*.

(*g*) Smaller collection of sandalwood in *North Coimbatore*, and

(*h*) Failure of the cardamom crop in *South Coimbatore*.

69. The increase under "A. Conservancy and Works" is mainly due to increased expenditure (1) on demarcation, consequent on the larger amount of work done in several districts; (2) on compensation for acquiring some of the rokkadayam trees in Nellore, and (3) on surveys, owing to a larger staff of surveyors and draughtsmen employed to facilitate the work of Forest settlement in several districts.

70. The increase under "B. Establishments" is mainly due to the disbursement of (1) the pay and allowances of the third Conservator for the whole year instead of for

a portion only as in the previous year; (2) the arrears of pay to the Controlling staff, which was reorganized in 1892–93, with retrospective effect from October 1891; and (3) the cost of supplying Forest Guards' uniforms to a larger number than in 1891–92.

71. The net surplus was about 2½ lakhs at the end of March 1893, but taking the figures of 15 months into consideration, the surplus amounted to over 3¼ lakhs. Looking at the individual Circles, it will be seen that while the Northern and Central Circles showed surplus balances, there was a large deficit in the Southern Circle.

CHAPTER VII.

General Remarks.

72. *Forest School.*—The number of officers deputed to undergo training in the Dehra Dun Forest School from each circle is shown in the margin.

Circle.	Number deputed in June 1892.	Number deputed in June 1893.
Northern	1	2
Central	6	3
Southern	6	3
Total ...	13	8

The total number of trained men in the department exclusive of those still under training in the school was 48. Eleven of these were in the Northern Circle, viz., 2 Extra Assistant Conservators, 7 Rangers and 2 Foresters. In the Central Circle there are 18 trained men—2 Extra Assistant Conservators, 11 Rangers and 5 Foresters. In the Southern Circle there were one trained Extra Assistant Conservator, 2 trained Sub-Assistants, 8 Rangers and 8 Foresters.

73. *Conduct of Establishment.*—In the *Northern Circle* two Foresters—one in Ganjám and the other in Kurnool—were dismissed for falsifying records, one Forester was suspended for misappropriation of Government money and was undergoing trial at the close of the period under report; one was permitted to resign his appointment for bad work, and the services of four acting Foresters were dispensed with for incompetency. In the *Central Circle* one Ranger was reduced. One Forester was dismissed, two were reduced and two suspended for misconduct. In the *Southern Circle* two Rangers were reduced, one Forester was dismissed, another absconded to escape prosecution, and one resigned to avoid punishment.

The number of guards dismissed, reduced or suspended was much the same as usual.

74. *Health of the Establishment.*—The health of the subordinate establishment has been generally bad in all the districts of the Northern Circle except Anantapur; in the Cuddapah, Salem and Trichinopoly districts of the Central Circle; and in the North Coimbatore, Madura and Tinnevelly districts of the Southern Circle.

Two Foresters in the Northern Circle and one Forester and one Supervisor in the Southern Circle are reported to have died of fever and one Forester in Bellary resigned from ill-health.

75. *Elephants.*—Nine wild elephants were captured in the Southern Circle, but three subsequently died. The total number of elephants in the various circles and the number actually employed for inspection purposes, dragging timber, &c., is shown below:—

Circle.	Total number of elephants.	Number actually employed.
Northern	3	2
Southern	21	15

76. *Inventory of valuable stock.*—The inventory of valuable stock prescribed in Government Order, dated 18th September 1893, No. 920, Financial, will be furnished in future reports.

APPENDIX A.

Forest Settlement.

District.	Under settlement up to 1891-92.		Added during 1891-92.		Added during 1892-93 (from 1st April 1892 to 30th June 1893).		Total under Settlement.	
	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.
1	2	3	4	5	6	7	8	9
Northern Circle.		sq. mls.		sq. mls.		sq. mls.		sq. mls.
Ganjám	41	532	3	3	15	25	59	560
Visagapatam	6	14	5	67 a+ 15	17	207	24	303
Godávari	77	1,054	..	b — 38	..	b — 3	77	1,018
Kistna	65	687	..	a— 18 —b 1	37	65 a— 3	102	730
Anantapur	45	277	..	a+ 76 c+ 1	8	15 a+ 39 a— 7 b— 1	53	400
Bellary	65	320	10	24 a+ 9 c— 1	44	94 a— 1	119	445
Kurnool	15	1,884	5	24 a—144	13	141 a+ 2	33	1,907
Total ..	314	4,768	23	17	130	573	467	5,358
Central Circle.								
Nellore	123	577	..	a — 5	..	a+ 2 b— 4	123	570
Cuddapah	109	1,888	..	a + 6	18	96 a+ 38 a— 14	127	1,964
Chingleput	91	161	23	19	42	17	156	197
North Arcot	94 f + 1	873	5	28 a— 5	16 d— 1	85 a+ 21 b— 1 d— 2	115	994
South Arcot	118	659	..	b — 9	57	155 b— 3	170	802
Tanjore	24	19	..	..	d— 1	..	23	19
Trichinopoly	74 d— 2	197	19	9 a+ 1	f + 5	a+ 5 b— 1 d— 11	96	200
Salem	126	1,116	2	62 b— 1	..	..	128	1,177
Total ..	753	5,440	49	100	136	383	938	5,923
Southern Circle.								
Madura	81	476	..	a+ 26 a— 21	76	144	157	625
Tinnevelly	39	589 a—178 f —1	..	..	..	..	39	410
North Coimbatore	13 e— 3	1,278	51	317 a— 3 b— 8	3	20	64	1,604
South Coimbatore	10	566	..	..	4	8	14	574
Nilgiris	126	311	7	1	9 d— 1	16	141	328
North Malabar	13 d— 2	261	..	..	..	..	11	261
South Malabar	21	299	..	a + 1	..	..	21	300
South Canara	27	152	..	a — 11	1	1 a— 7	28	135
Total ..	325	3,753	58	302	92	182	475	4,237
Grand Total ..	1,892	13,961	130	419	358	1,138	1,880	15,518

a. Rectification of area. *b.* During settlement. *c.* Transferred to Anantapur district. *d.* Unreserved or abandoned.
e. Due to separation or disafforestation or clubbing of blocks. *f.* Wrong entry in previous returns.

APPENDIX A.

Forest Settlement—*cont.*

FINALLY notified and constituted reserved forests.

	Up to 1891-92		During 1891-92.		During 1892-93, (from 1st April 1892 to 30th June 1893).		Total.	
	Blocks	Area	Blocks.	Area.	Blocks	Area	Blocks.	Area.
	10	11	12	13	14	15	16	17
Northern Circle.		SQ. MLS.		SQ MLS.		SQ MLS.		SQ. MLS
Ganjám	8	85	1	29		..	9	114
Vizagapatam	1	4		* + 10	4	10	5	24
Gódávari	34	345	8	73	2	24	44	442
Kistna	44	346	10	106	7	{ 183 / * — 2 }	61	633
Anantapur	5	14	3	{ 5 / † + 1 / * + 11 }	17	70	25	101
Bellary	25	77	10	{ 29 / † — 1 }	26	109	61	214
Kurnool	3	242	7	826	4	658	14	1,726
Total ..	120	1,113	39	1,089	60	1,052	219	3,254
Central Circle								
Nellore	88	169	17	94	11	78	116	·341
Cuddapah	20	356	13	58	37	551	70	965
Chingleput	59	126	13	20	13	9	85	155
North Arcot	50	430	16	83	22	175	88	688
South Arcot	44	148	12	16	37	221	93	385
Tanjore	17	9	1	·03	2	7	20	16·03
Trichinopoly	39	141	27	18	6	31	72	190
Salem	78	684	6	78	22	205	106	967
Total ..	395	2,063	105	367 03	150	1,277	650	3,707·03
Southern Circle								
Madura	73	379	6	{ 109 / * — 21 }	5	12	84	479
Tinnevelly	29	428	9	139	1	{ 21 / *—178 }	39	410
North Coimbatore .	{ 6 / ‡ — 3 }	119	3	{ 369 / * — 3 }	39	12	45	497
South Coimbatore	10	566	..	..	.	..	10	566
Nilgiris	53	201	42	6	27	26	122	233
North Malabar	7	119	..	..	1	32	8	151
South Malabar	6	39	..	..	..	..	6	39
South Canara	16	85	2	8	4	7	22	100
Total .	{ 200 / ‡ — 3 }	1,936	62	607	77	— 68	336	2,475
Grand Total	712	5,112	206	2,063 03	287	2,261	1,205	9,436·03

* By revised estimate or correction of area † Transferred to Anantapur.

‡ Due to separation or clubbing of blocks.

APPENDIX A.

Forest Settlement—*cont.*

STATEMENT of balance of lands still under settlement.

	Of lands in																		Total balance.	
	1884-85.		1885-86.		1886-87.		1887-88.		1888-89.		1889-90.		1890-91.		1891-92.		1892-93.			
	Blocks.	Area.	Blocks.	Area.	Blocks	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám	23	394	3	22	..	..	..	..	..	..	..	..	6	2	3	3	15	25	50	446
Vizagapatam	..	..	..	..	..	..	.	..	..	..	1	5	..	..	5	67	13	207	19	279
Gódávari	..	..	2	182	1	8	2	19	..	..	27	329	1	33	..	..	..	..	33	571
Kistna	..	..	..	..	..	..	..	..	..	..	2	21	2	14	..	..	37	62	41	97
Anantapur	1	34	..	..	10	149	7	88	2	13	..	..	..	..	..	..	8	15	28	299
Bellary	10	70	..	..	..	..	..	..	3	50	..	..	..	..	2	16	43	95	58	231
Kurnool	..	..	..	..	..	..	1	15	..	..	..	..	..	..	5	25	13	141	19	181
Total ..	34	498	5	204	11	157	10	122	5	63	30	355	9	49	15	111	129	545	248	2,104
Central Circle.																				
Nellore	2	67	*a* 3	*a*130	2	32	..	..	..	..	..	..	..	..	..	..	..	..	7	229
Cuddapah	15	612	..	..	24	267	..	..	..	..	..	..	..	..	..	..	18	120	57	999
Chingleput .. .	..	..	.	..	..	..		..	..	..	4	4	4	2	21	19	42	17	71	42.
North Arcot	..	..	..	..	..	..	3	90	..	..	6	114	2	17	..	..	16	85	27	306
South Arcot	..	..	4	54	1	3	1	4	1	7	..	..	13	194	.	..	57	155	77	417
Tanjore	..	..	..	..	..	..	1	3	2	·38	..	..	..	..	..	..	..	..	3	3
Trichinopoly	..	..	..	..	..	..	..	..		..	..	..	..	..	24	10	..	..	24	10
Salem	2	12	1	16	..	..	3	8	5	53	3	16	6	40	2	65	..	..	22	210
Total	19	691	8	200	7	302	8	105	8	60·38	13	134	25	253	47	94	133	377	288	2,216·38
Southern Circle.																				
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	73	146	73	146
Tinnevelly .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	..	..	..	..	1	280	..	..	..	..	3	502	12	305	3	20	19	1,107
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	8	4	8
Nilgiris	..	..	1	64	..	..	..	..	..	..	5	13	..	..	4	2	9	16	19	59
North Malabar	*a* 2	70	*a* 1	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	110
South Malaber	..	..	..	..	..	..	10	19	5	242	..	..	..	.	..	..	..	..	15	261
South Canara	..	..	2	29	..	..	..	..	..	..	3	5	..	..	..	..	1	1	6	30
Total ..	2	70	4	133	..	.	11	299	5	242	8	18	3	502	16	307	90	191	139	1,762
Grand Total ..	55	1,259	17	537	38	459	29	526	18	365·38	51	507	37	804	78	512	352	1,113	675	6,082·38

a. Those are correct figures as now reported by the Collector.

APPENDIX A.

Forest Settlement—*cont.*

Statement of balance of lands still under settlement—*cont.*

—	Classification of balance under columns 36 and 37.											
	Settled and reported on.								Settled, but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1892-93, but with effect only from 1893-94, *i.e.*, after 30th June 1893.		With Board or Government awaiting publication of notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest officer or Forest Settlement officer.		Total settled and reported on.					
	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.	Blocks.	Area.
	38	39	40	41	42	43	44	45	46	47	48	49
Northern Circle.		S. MLS.		S. MLS.		S. MLS.		S. MLS.		S. MLS.		S. MLS.
Ganjám	..	..	1	4	20	344	21	348	17	55	12	43
Vizagapatam	..	..	3	30	..	..	3	30	1	10	15	239
Gódavari	6	56	2	15	..	..	8	71	21	280	4	220
Kistna	..	..	..	..	..	..	..	..	4	26	37	71
Anantapur	6	52	9	123	1	7	16	182	6	103	6	14
Bellary	4	27	2	33	6	58	12	118	2	7	44	106
Kurnool	..	..	..	..	..	..	..	..	1	15	18	166
Total ..	16	135	17	205	27	409	60	749	52	496	136	859
Central Circle.												
Nellore	1	2	..	..	..	..	1	2	6	227	..	..
Cuddapah	27	106	6	59	15	642	48	807	3	17	6	175
Chingleput	9	8	1	2	..	..	10	10	2	1	59	31
North Arcot	6	114	6	95	1	27	13	236	2	19	12	51
South Arcot	5	20	..	..	4	17	9	37	23	124	45	256
Tanjore	1	3	..	..	..	..	1	3	..	..	2	·38
Trichinopoly	..	..	..	..	..	..	..	..	..	..	24	10
Salem	4	19	2	19	7	59	13	97	6	94	3	19
Total ..	53	272	15	175	27	745	95	1,192	42	482	151	542·38
Southern Circle.												
Madura	12	13	..	..	..	..	12	13	6	6	55	127
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	5	300	3	4	1	44	9	348	7	739	3	20
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	4	8
Nilgiris	6	10	1	..	..	..	7	10	3	16	9	69
North Malabar ..	..	..	..	..	..	..	..	..	3	110	..	..
South Malabar ..	..	..	..	..	..	..	..	..	15	261	..	..
South Canara	3	5	..	..	..	..	3	5	3	30	..	..
Total ..	26	328	4	4	1	44	31	376	37	1,162	71	224
Grand Total ..	95	735	36	384	55	1,198	186	2,317	131	2,140	358	1,625·38

APPENDIX B.

Causes of delay in the submission of final notifications of forest reserves.

Districts.	Causes of delay.															
	Notified under section 16 during 1892–93, but with effect only from 1893–94, i.e., after 30th June 1893.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps and completion of demarcation.	Awaiting disposal of appeals.	Awaiting carrying out of exchanges of lands	Only recently notified under section 4.	Awaiting payment of compensation.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officer's answers to claims, preparation of boundary descriptions and acquisition of lands, &c.	Settled, but final report pending with the Collector or under preparation.	Pending revision of notifications.	Awaiting replies to references made to Collectors and Board.	Awaiting cancellation of the initial notification.	Awaiting inspection by the Forest Settlement-officer.	Other causes, i.e., awaiting return of records from District Courts, awaiting information from Tahsildars, &c	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ganjám	..	1	..	..	..	..	..	13	4	9	17	..	2	4	..	50
Vizagapatam	..	3	1	..	..	9	..	4	..	2	..	..	..	..	..	19
Gódávari	6	2	10	3	..	..	..	1	..	8	..	1	..	..	2	33
Kistna	..	..	1	1	..	8	..	12	..	..	..	..	..	15	4	41
Anantapur	6	9	2	..	2	5	..	1	..	2	1	..	..	..	..	28
Bellary	4	2	..	2	..	43	..	..	..	6	1	..	..	..	..	58
Kurnool	..	..	..	..	..	3	..	..	..	..	..	..	..	16	..	19
Nellore	1	..	3	2	..	..	..	1	..	..	..	..	..	..	..	7
Cuddapah	27	6	17	..	1	..	..	4	..	1	..	..	..	..	1	57
Chingleput	9	1	..	..	..	..	..	14	..	6	..	..	..	41	..	71
North Arcot	6	6	..	..	..	1	..	..	..	1	1	..	..	11	..	27
South do.	5	..	2	..	..	9	..	11	9	1	..	..	..	38	2	77
Tanjore	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	3
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..	..	24	..	24
Salem	4	2	1	8	..	..	..	..	..	7	..	..	..	..	..	22
Madura	12	..	..	..	..	..	..	19	26	14	1	..	..	1	..	73
North Coimbatore	5	3	..	..	3	3	..	..	..	5	..	..	..	..	..	19
South do.	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4
Nilgiris	6	1	..	..	..	..	4	..	..	1	..	6	..	1	..	19
North Malabar	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	3
South do.	..	..	..	15	..	..	..	..	..	..	..	..	..	..	..	15
South Canara	3	..	1	..	..	..	..	1	..	1	..	..	..	..	..	6
Total	95	36	38	35	7	81	4	81	40	64	21	7	2	155	9	675

APPENDIX C.

Reserved lands not under settlement in square miles.

District.	Up to 1891-92.	Added during 1891-92.	Added during 1892-93 (April 1892 to 30th June 1893).	Total.	Transferred for settlement.				Balance remaining reserved lands not under settlement.
					Up to 1891-92.	During 1891-92.	During 1892-93 (1st April 1892 to 30th June 1893).	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	548	3	15	566	532	3	25	560	6
Vizagapatam ..	14	82	207	303	14	82	207	303	..
Gódávari	1,054	*b* — 38	*b* — 3	1,013	1,054	*b* — 38	— 3	1,013	..
Kistna	687	*a* — 18 *c* — 2 *b* — 1	190 *a* — 1	855	687	*a* — 18 *b* — 1	65 *a* — 3	730	125
Anantapur	277	*a* + 77	15 *a* + 39 *a* — 7 *b* — 1	400	277	*a* + 77	15 *a* + 39 *a* — 7 *b* — 1	400	..
Bellary	382	24 *a* + 9 *c* — 1	94 *a* — 1	507	320	24 *a* + 9 *c* — 1	94 *a* — 1	445	62
Kurnool	1,884	24 *a* —144	141 *a* + 2	1,907	1,884	24 *a* —144	141 *a* + 2	1,907	..
Total ..	4,846	15	690	5,551	4,768	17	573	5,358	193
Central Circle.									
Nellore	596	*a* — 5	*a* + 2 *b* — 4	589	577	*a* — 5	*a* + 2 *b* — 4	570	19
Cuddapah	2,018	*a* + 6	12 *a* + 45 *a* — 14	2,067	1,838	*a* + 6	96 *a* + 38 *a* — 14	1,964	103
Chingleput	182	13	17	212	161	19	17	197	15
North Arcot	894	23 *a* — 5	66 *a* + 21 *b* — 2 *d* — 2	995	873	23 *a* — 5	85 *a* + 21 *b* — 1 *d* — 2	994	1
South Arcot	810	*a* — 9	7 *a* — 6	802	659	*b* — 9	155 *b* — 3	802	..
Tanjore	25	..	..	25	19	..	..	19	6
Trichinopoly ..	236	9 *a* + 1	*a* + 5 *b* — 1 *d* — 11	239	197	9 *a* + 1	*a* + 5 *b* — 1 *d* — 11	200	39
Salem	1,254	36 *a* — 1	.. *c* + 1	1,290	1,116	62 *b* — 1	..	1,177	113
Total ..	6,015	68	136	6,219	5,440	100	383	5,923	296
Southern Circle.									
Madura	493	*a* + 26 *a* — 21	139	637	476	*a* + 26 *a* — 21	144	625	12
Tinnevelly	589 *a* — 178	..	..	411	589 *a* —178 *b* — 1	..	..	410	1
North Coimbatore ..	1,949	13 *a* — 3 *b* — 8	15 *d* —222	1,744	1,278	317 *a* — 3 *b* — 8	20	1,604	140
South Coimbatore ..	584	..	8 *a* — 1	591	566	.	8	574	17
Nilgiris	384	1	24 *a* — 1	408	311	1	16	328	80
North Malabar ..	274	..	.. *a* — 2	272	261	..	..	261	11
South Malabar ..	328	..	2	330	299	*a* + 1	..	300	30
South Canara ..	1,024	..	2 *a* — 2	1,024	152	*a* — 11	1 *a* — 7	135	889
Total .	5,625 *a* — 178	8	— 38	5,417	3,753	302	182	4,237	1,180
Grand Total ..	16,308	91	788	17,187	13,961	419	1,138	15,518	1,669

a. By rectification of area. *b*. During settlement. *c*. Error in previous year's abstracts. *d*. Area unreserved.

APPENDIX D.

STATEMENT showing the number of forest offences reported during the 15 months ending with 30th June 1893 and the particulars of their disposal.

Districts.	Cases pending at the beginning of the period.	Cases reported during the period.	Total number of cases for disposal (columns 2 and 3).	Number of cases withdrawn.	Number of cases compounded.	Number of cases taken into court and dealt with by the Magistracy during the period.	Total number of cases disposed of (columns 6, 6 and 7).	Number of persons concerned in cases disposed of.	Balance of cases undisposed of			Percentage of cases withdrawn to cases disposed of.	Percentage of cases compounded to cases disposed of.	Number of convictions.	Number of acquittals.	Percentage of acquittals to cases disposed of by Magistrates.	Amount of compensation fees realized for cases compounded.
									With Magistrates.	With Forest-officers.	Total.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	Rs.
Ganjám .. {1891-92 ..	60	140	200	..	..	65	65	217		..	135	..	..	53	12	18	250
{1892-93 ..	135	231	366	20	23	149	192	614	..	..	* 174	10	12	90	59	39	239
Vizagapatam .. {1891-92 ..	158	663	821	..	278	453	731	838	..	..	90	..	38	408	45	10	787
{1892-93 ..	90	764	854	7	244	577	828	1,184	.	.	* 26	1	29	530	47	8	635
Gódávari .. {1891-92 ..	69	29	98	..	5	87	92	177	..	..	6	..	5	13	74	85	1,942
{1892-93 ..	6	626	632	..	13	255	268	350	351	13	364	..	5	225	30	12	201
Kistna .. {1891-92 ..	29	501	530	3	171	185	359	1,329	..	..	171	1	48	130	55	30	2,693
{1892-93 ..	171	709	880	31	225	306	562	2,070	..	..	* 318	6	40	251	55	18	2,052
Anantapur .. {1891-92 ..	12	113	125	..	24	63	87	227	..	..	38	..	28	55	8	13	372
{1892-93 ..	38	264	302	..	71	203	274	908	..	..	* 28	..	26	166	37	18	859
Bellary .. {1891-92 ..	2	164	166	..	34	127	161	386	..	..	5	..	21	101	26	20	188
{1892-93 ..	5	360	365	..	31	319	350	837	15	..	15	..	9	260	59	18	542
Kurnool .. {1891-92 ..	19	400	419	..	83	313	396	1,105	..	..	23	..	21	231	82	26	1,346
{1892-93 ..	23	374	397	..	35	353	388	1,331	7	2	9	.	9	215	138	39	675
Nellore .. {1891-92 ..	20	114	134	..	14	98	112	383	.	..	22	.	13	50	48	49	71
{1892-93 ..	22	148	170	5	57	83	145	532	7	18	25	3	39	65	18	22	283
Cuddapah .. {1891-92 ..	22	606	628	..	185	265	450	1,181	.	..	178		41	210	55	21	1,538
{1892-93 ..	178	713	891	..	248	363	611	1,197	.	..	* 280	..	41	303	60	16	2,168
Chingleput .. {1891-92 ..	1	174	175	..	..	150	150	252		.	25	.	..	95	55	37	23
{1892-93 ..	25	298	323	28	200	93	321	653	2	..	2	9	62	70	23	25	559
North Arcot .. {1891-92 ..	12	700	712	..	504	135	639	1,054	..	..	73	..	79	97	38	28	3,761
{1892-93 ..	73	884	957	54	518	364	936	1,675	21	..	21	6	55	230	134	37	5,221
South Arcot .. {1891-92 ..	360	1,046	1,406	183	478	254	915	2,365	.	..	491	20	52	214	40	16	3,125
{1892-93 ..	491	1,090	1,581	323	543	518	1,394	4,412	72	115	187	24	39	423	95	18	3,268

Tanjore ..	1891-92 ..	12	18	30	..	14	13	27	121	..	..	3	..	52	8	5	38	67
	1892-93 ..	3	56	59	9	30	13	52	175	7	..	7	17	60	9	4	31	1,518
Trichinopoly ..	1891-92 ..	54	919	1,003	..	645	295	940	1,612	..	..	63	..	69	242	53	18	2,188
	1892-93 ..	63	946	1,009	9	741	156	906	1,705	1	102	103	1	82	100	56	36	3,383
Salem ..	1891-92 ..	32	1,116	1,148	61	498	556	1,115	4,710	..	..	33	5	45	435	121	22	4,109
	1892-93 ..	† 32	1,033	1,065	88	302	632	1,022	3,798	43	..	43	9	30	502	130	21	2,274
Madura ..	1891-92 ..	2	28	30	1	6	23	30	94	.	..	..	3	20	13	10	43	99
	1892-93 ..	..	105	105	4	1	89	94	277	..	..	* 11	4	1	40	49	55	15
Tinnevelly ..	1891-92 ..	9	162	171	9	2	145	156	405	..	..	15	6	1	97	48	33	432
	1892-93 ..	† 20	422	442	15	37	380	432	815	..	..	10	3	9	298	82	22	1,349
North Coimbatore.	1891-92 ..	40	181	221	11	96	65	172	670	..	..	49	6	56	31	34	52	1,305
	1892-93 ..	49	329	378	9	172	88	269	871	..	..	* 109	3	64	55	33	38	2,372
South Coimbatore.	1891-92 ..	59	448	507	30	289	142	461	1,396	..	..	46	6	63	119	23	16	1,683
	1892-93 ..	46	438	484	34	238	179	451	1,547	10	23	33	8	53	155	24	13	2,950
Nilgiris ..	1891-92 ..	3	126	129	2	68	23	93	267	..	..	36	2	73	16	7	30	593
	1892-93 ..	36	206	242	19	145	51	215	571	..	27	27	9	67	37	14	27	1,133
North Malabar.	1891-92 ..	..	25	25	..	21	4	25	75	..	..	..	..	84	2	2	50	87
	1892-93 ..	..	64	64	..	37	16	53	100	..	..	* 11	..	70	13	3	19	151
South Malabar.	1891-92 ..	..	18	18	..	..	17	17	46	..	..	1	..	..	12	5	30	..
	1892-93 ..	1	14	15	..	1	14	15	27	..	..	..	..	7	11	3	21	20
South Canara.	1891-92 ..	61	403	464	..	97	318	415	592	..	..	49	..	23	236	82	26	726
	1892-93 ..	49	831	880	31	194	475	700	1,045	135	45	180	4	28	410	65	14	1,626
Total ..	1891-92 ..	1,036	8,124	9,160	300	3,512	3,796	7,608	19,502	..	..	1,552	4	46	2,868	928	24	27,385
	1892-93 ..	1,556	10,905	12,461	696	4,106	5,676	10,478	26,694	..	..	1,983	6·6	39·2	4,458	1,218	21·4	33,493

* The number pending with Magistrates and that with Forest-officers has not been separately shown.

† Correct figure as now reported by the Collector.

APPENDIX E.

STATEMENT showing the area of forest reserves closed to grazing, the area grazed over and the average number of cattle grazed per square mile in 1892–93.

Districts.	Area of reserved forests and reserved lands.	Area closed to grazing.	Area open to grazing.	Area grazed over.	Number of cattle and sheep admitted (*d*).	Average number of cattle and sheep per square mile.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
1. Ganjám	567	179	388	not given	15,826	(*a*) ..
2. Gódávari	1,014	not given	not given	294	17,139	(*a*) ..
3. Kistna	855	Do.	Do.	139	44,085	(*b*) 317
4. Anantapur	400	161	239	not given	10,099	(*a*) ..
5. Bellary	506	356	150	102	8,139	(*c*) 80
6. Kurnool	1,906	279	1,627	not given	119,492	(*a*) ..
7. Cuddapah	2,067	..	2,067	Do.	43,240	(*a*) ..
8. Chingleput	212	..	212	Do.	22,677	(*a*) ..
9. North Arcot	996	515	481	Do.	81,447	(*a*) ..
10. South Arcot	802	..	802	Do.	88,765	(*a*) ..
11. Tanjore	24	..	34	Do.	4,107	(*a*) ..
12. Trichinopoly	239	..	239	69	9,553	138
13. Salem	1,290	57	1,233	not given	232,196	(*a*) ..
14. Madura	637	not given	not given	Do.	6,503	(*a*) ..
15. Tinnevelly	411	Do.	Do.	177	19,744	111
16. North Coimbatore	1,744	Do.	Do.	not given	188,650	(*a*) ..
17. South Coimbatore	591	33	558	Do.	76,727	(*a*) ..
18. Nilgiris	408	..	408	Do.	11,244	(*a*) ..

NOTE.—In Vizagapatam, North and South Malabar, the demand for grazing in forest reserves was very limited as large areas outside were available for free grazing. In Nellore and South Canara, grazing was leased out.
(*a*) Accurate information is not available. (*b*) Grazing is better regulated here than elsewhere.
(*c*) Sufficient pasture was available outside the reserves on account of good rains
(*d*) Most of the Collectors have not reported the number of sheep separately from that of cattle.

APPENDIX F.

NATURAL AND ARTIFICIAL REPRODUCTION—IMPROVEMENT, FELLINGS, EXPERIMENTS AND EXOTICS.

NORTHERN CIRCLE—(EXTRACTS FROM CONSERVATORS' REPORTS).

(E) *Natural reproduction.*

34. *Ganjám.*—In Goomsur, the reproduction of the chief tree, sâl, is all that can be wished There is an abundance of seedlings even in the unprotected blocks. On the Mohiri hills, in the Berhampur range, reproduction continues to be discouraging chiefly owing to the reckless cutting in former years. The only hope for restoration on these hills is to close large area to all cutting and grazing, but it was found impossible during the year to carry out this work, for to nominally close a forest without proper means of making the closure effective, would be worse than useless.

Vizagapatam.—The reproduction in the Peddapalli reserve as a result of continuous protection is very satisfactory, and there is a most marked contrast between its condition now and three years ago. In Palkonda, similarly in the 50 square miles of reserves on the hills facing

the northern portion of the ordinary taluk, with the combined effect of good seasons and absence of fires, the growth is everywhere luxuriant. The sâl seeding season has not turned out a good one. This is unfortunate, for the abundant rain of the present monsoon would have been most favorable.

Gódávari.—The natural reproduction of valuable trees both from seed and coppice is excellent in the upper taluks. The well-grown poles of teak and *Anogeissus latifolia* are specially remarkable in the Mittapalli reserve. The soil and reproduction in the Papikonda reserve are good. The present growth, except in the plateau itself, forms a dense cover overhead. In the delta range, especially in the Coringa reserve, the parts nearer the main land are said not to reproduce so well as formerly owing to the surplus of fresh water introduced by the system of irrigation. This is also said of Upputeru. The growth in both reserves, though much larger, is not so valuable as in Kandikuppa where the mangrove is pure and not mixed with *avicennia* and other inferior species as in other two reserves. In the Yernagudem reserve abundant reproduction was noticed from coppice of réla (*Wrightia tinctoria*), *Diospyros melanoxylon* and *Strychnos nux-vomica* and at the same time a marked absence of seedlings. In the old Podu of Bavinikulapadu reserve, a good reproduction was also noticed from coppice of *Soymida febrifuga*, *Chloroxylon swietenia*, *Terminalia tomentosa* and *Strychnos nux-vomica*.

It is to be regretted that a special report has not been made on the regrowth in Bhadráchalam, for the stock of large timber is elsewhere reported to have been almost worked out.

Kistna—Seedlings.—The young yepi (*Hardwickia binata*) is coming prolifically in some parts of Bollapalli reserve closed to grazing and strictly fire-protected. In the Mutukur reserve, on the other hand, where protection from grazing and fire was introduced, there are no young seedlings.

Prickly-pear in the salt marshes appears to be of great assistance to the seedlings of jungle trees and the formation of scrub jungles on the most desolate wastes. On the barren sand Yilakurru (sudda) and prickly-pear first take root and between them seem to absorb the salt from the marshes to bind the sand and to form a soil with their own débris in which seeds of fresh trees germinate and flourish until a regular scrub is formed, consisting of *Melia*, *diospyros*, *Chloroxylon*, *Acacias*, *Albizzias*, *Sapindus*, and sometimes dates and palmyras. The whole transition from barren "Parra" (marshes) to scrub jungle 20 feet high is to be seen in the waste land of Potumeraka village, Répalle taluk.

Flowering and fruiting.—Taking it all round, the past year was a bad season for flowering and fruiting. Under the head of minor produce there was a loss on this account, as mangoes, tamarind, babul and soap-nuts in some places gave a short crop. With regard to forest trees proper, *yepi* (*Hardwickia*) was neither seen in flower nor fruit, whilst *Chloroxylon swietenia*, *Melia* and *Pongamia* produced a prolific crop of flower and fruit.

Coppice.—In the Nidamarru reserve, coppice shoots from the stools of babul trees felled in January had by March reached a height of from 1½ to 2 feet. A sample area cut at Pliligundla in Bollapalli reserve in 1891 showed in January 1893 coppice shoots of yepi of an average height of 4 feet.

Situation of certain trees.—From the sample areas taken in the Bollapalli and Mutukur reserves it was found that *Swietenia* and *Anogeissus* grow in greatest numbers on the top of the hills, yepi (*Hardwickia*) on the lower slopes and *Albizzia amara* on the plains. Yepi seems to prefer shales to other soils.

Rates of growth.—A few samples of *Hardwickia* and *Chloroxylon* gave the following statistics:—

Diameter.	Rings (average).	
	Hardwickia.	Chloroxylon.
2½ inches	...	25
3 "	20	29
3½ "	..	33
4 "	20	...
4½ "	...	32
5 "	...	38
6 "	...	36
8 "	36	...

The rate of growth of babul in Nidamarru reserve has been shown in chapter III. An examination of numerous specimens of mangrove showed 25·7 rings per inch of radius on the average. The "Indian Forester" addressed on the subject explained that there were spurious rings. From numerous inquiries later on in various localities, information was given showing that, on the average, mangrove grows from 2 to 3 feet in height per annum and from ½ to 1 inch diameter.

Record of notes.—A Flora of the Kistna district was started by Mr. Alwar Chetty and continued by Mr. Lushington, in which notes of the above kind are recorded.

Kurnool.—In parts of the fire-protected blocks of the Nallamalais, reproduction is satisfactory especially on the banks of streams and in low-lying moist localities. In the open portions there are large numbers of young plants appearing as seedlings at first sight, but are, on closer inspection, found to be stool shoots and root-suckers, the latter predominating and are in a great measure the result of the annual fires, but they are very short-lived, flourishing until the following season's fires (which, it may be here remarked, take place with the utmost regularity) when they are almost entirely destroyed, giving place, however, to a fresh crop shortly after the fires have passed over the ground. This state of things goes on year after year without intermission, so that the present condition of the forests generally is scarcely such as could be desired.

With a large population of Chenzus domiciled in a forest of immense area, in which the grass grows to a height of 5 feet and more, it is almost impossible to exclude fires, especially as the Chenzus are the most impracticable forest tribe in the Presidency. There has been general seeding of *Lendrocalamus strictus* in the Sirvel, Nandyal and Nandikotkur ranges. The seed has germinated most profusely, so that the fresh generation will, in all probability, far exceed in density the parent clumps. In the Yerramalais, little or no reproduction has been noticed, but this is probably due to the excessive grazing and to an absence at present of a sufficiently rigid protection against cattle trespass.

Bellary.—Reproduction of *Hardwickia binata* in the Mallapanagudi block was satisfactory and there are numerous seedlings. The bark of this species was being eaten away by white-ants, and with the approval of the Conservator orders were issued to scrape down the white-ants and apply kerosine-oil solution to the bark. This is being tried. On account of effective protection, reproduction in most cases, notably in Adóni, West and East, and Ganekallu in the Adóni taluk, was encouraging.

In the Sandur range, reproduction in the Northern slopes of Ramandrug is specially good. In other parts of the Droog the seedlings are scattered in valleys. The coppice shoots from stools in some of the compartments, where operations had been carried out, continue to flourish. The coppice reproduction in sample acres of the Ramandrug forest felled for the purpose of collecting statistics is fair. In the other two ranges it is not satisfactory, but possibly better than in the previous year.

Anantapur.—Reproduction in this district is backward owing to extreme dryness and to want of cover. The chief timber tree of the present and future is yepi (*Hardwickia binata*), with which the District Forest-officer has been making experiments. The tree bears seed abundantly, and the seeds generally germinate and may be found as seedlings in Muchukota and other yepi forests, comparatively thick, soon after the rains. They dry down and disappear in the following hot weather, but apparently do not, at least not all of them, for seedlings of three or four years were found and that had dried down each year as could be ascertained from the gnarled and twisted appearance of their stems at ground level. It is believed that if they had shade in the hot weather, the seedlings would establish themselves without any difficulty and that even under present conditions they will in time establish themselves, for they are enlarging their root system and coming up more vigorously every year.

A small experiment was tried in Somandapalli reserve near Penukonda, and yepi, tangedu, and castor seeds were sown in little patches fencing the plot with thorns and beyond that they were not nursed in any way. The castor was sown to give some shade to the young seedlings, but unfortunately they no sooner came up than they were devoured by a caterpillar. The tangedu came up very well and the yepi fairly well, but it all disappeared before the end of the hot weather. A few of the seedlings, however, have sprouted again, and are at the present moment growing vigorously; it remains to be seen whether they will establish themselves or die out.

Yepi is generally found pure often on the very driest soil and more often on a south and south-west than on a north and north-east aspect. It sheds its leaves during the hot weather, but this year the leafless period among the trees near Bukkapatnam did not last more than a fortnight, while at Muchukota it lasted for from six weeks to two months. The trees cut at Muchukota have been coppiced in past years and those at Bukkapatnam pollarded for their leaves and fibre, so that there is scarcely a sound seedling tree in the district and the people scarcely seem to recognise it as a timber tree at all.

(F) *Artificial reproduction.*

The addition during the year to plantations, topes and cultural operations, were respectively 5, 25 and 34¼ acres and the expenditure incurred amounted to Rs. 6,782 (according to the Accountant-General's statement, but Rs 6,520 according to the district figures) against Rupees 5,485 incurred in the previous year. The additions made were petty and are not noteworthy. The increase in the expenditure accounts for the extension of the operations for 15 months. The progress in the districts is, however, noticed below:—

Ganjám.—Sanction was received too late to start the Agusti Nowgam Casuarina Plantation, but a nursery was made. It has 2 lakhs of seedlings ready for transplantation during the rains of 1893 The miscellaneous plantings done during the year were planting 7,000 casuarina seedlings in the Chatrapur reserve and 10,000 palmyra seeds in Chatrapur, Ballipagada and Podara reserves. The casuarinas were planted in the Chatrapur reserve in August 1892. No watering was done after planting, and at the end of the hot season of 1893, 3,000 plants were living which gives an expenditure of Rs 10 an acre of successful planting. The season, however, was an exceptionally favorable one as there was plenty of rain during the hot weather. This experiment is being continued and is carefully watched. The great expense of regular plantations is of course the watering, and if fair results can be obtained without watering, it will be a decided step in advance.

Vizagapatam.—During the year two topes, which were previously protected at no special cost, were extended and notified preliminarily under section 4. Since November a gardener for each has been put on. The topes in question have been fenced. 10,000 palmyra seeds put down in these have come up exceedingly well, but of the 2,000 teak seeds put down only half have germinated. In addition to these, a nursery was laid out in the Chinnamangalapuram tope and filled with seeds of *Sál terminalia*, *Anogeissus*, *Ironwood soymida*, *Lebedicropsis* and other species as an experiment.

Gódávari.—In the Narsapur plantation, 1,400 casuarina seedlings were transplanted from the nursery beds and the area planted being 3 acres. No work was done in the Bendamurlanka plantation, as the seedlings were mischievously destroyed. A working plan was sanctioned for the former There are neither topes nor cultural operations.

Kistna.—There was a great mortality among the casuarinas of Bápatla and Gudivada taluks from drought. The seedlings of Vedullapalli reserve completely withered away and full-grown trees died in Wadarevu, Bomminapad, Vanudhuru and Allinagaram plantations. The Casuarina Kara Plantation was entirely destroyed by a borer caterpillar and the trees had to be sold "*en bloc*" standing. More than 95 per cent. of the trees were attacked and it was useless to leave the others. It is proposed to re-stock the area (only 21 acres) with cashew-nut instead of casuarina, as this is likely to pay better for such a small area and a change of crop is desirable. The plantation of *Eugenia* and *Terminalia arjuna* in Weld reserve has not been a success, but the *Dalbergia* ("*Sissu*") planted two years later is thriving and outtops the *Eugenia* and *Terminalia arjuna*. The growth of sissu is most encouraging and it may almost be taken as settled that this tree can be established as a paying crop in this locality. Teak, yepi and other seeds were planted in the blanks caused by last year's failures in the Bezwada reserve at a cost of Rs 135.

Kurnool.—By way of experiment bamboo seedlings were planted 500 at Pudur and 500 at Tekulakonda. 200 of the former and 150 of the latter are reported to be in good condition. Some grown to a height of 2 to 3 feet, and the rest destroyed by porcupines. Of the broadcast sowings of 1889–90 about 250 plants of an average height of 7 to 8 feet are to be seen in Tuvakonda, part of the Jaladurgam reserve, while a few of the same year's sowings are also visible in Tekulakonda of an average height of 6 feet. The cost incurred on these two plantations was Rs. 76.

Bellary.—The notes under this head have better come under "experiments and exotics."

Anantapur.—No planting was undertaken during the year.

(c) *Works of improvements.*

36. *In Ganjám.*—Creepers were cut over an area of 690 acres in the Chandragiri and 1,321 in the Gullery reserves at an average cost of As. 2–9 per acre.

In *Vizagapatam*, *Godávari*, *Kurnool* and *Bellary* none were carried out. In *Kistna* creeper-cutting in previous years did not seem to be so successful as its cost should justify. Seigniorage is levied on creepers and it is proposed to try the effect of removing the seigniorage in certain areas. It is doubtful whether any real good can be expected by removing the prickly-pear in the Muthayapalem reserve, at all events sufficient good to justify the cost. Better trees already appear to dominate it, and as the forest grows thicker and thicker the chances are that the prickly-pear will become less and less.

In *Anantapur.*—Prickly-pear was cleared over an area of 10 acres of Khojjepalle at a cost of Rs. 120. Except in a few instances it is considered premature to begin even improvement cuttings yet, as all the cover available on the ground should be necessarily kept.

37. *Fencing.*—In Ganjám 14 miles of fencing with screwpine was done during the year at a cost of Rs. 180. The Ballipagoda reserve was completely fenced and a greater portion of Chatrapur block No. 2.

In *Vizagapatam*, the Chinna Mangalapuram tope was fencedwith a bank and ditch planted with aloe seedlings at a cost of 2 annas per yard (1,390 yards). The Garugupalli tope was also partially fenced at As. 2–3 per yard (81 yards).

The Bezwada reserve was fenced with a trench and mound and prickly-pear at a cost of Rs. 376 and the gaps made by the rains will be repaired from the amount sanctioned. The Nidmarru reserve should be fenced necessarily with screwpine as fellings have taken place to protect the coppice shoots. The Timmapuram tope was also partly fenced.

38. *Improvement thinnings and fellings.*—None were undertaken in the districts of Ganjám, Vizagapatam Godávari and Kistna. In Kistna it is explained that no means exist for exporting the produce if undertaken in Kondavid and Kondapalli which do not contain specially valuable kinds of trees to be ameliorated by the removal of the inferior kinds. It is, however, proposed to stock blanks in the Kondapalli reserve with teak, but the success is doubtful. When demarcation and settlement works are over, some of the yepi pollards in Bollapalli, especially, and also in Mutukur should be removed departmentally to allow space for the growing seedlings to come up Only a few pollards are required as seed-bearers, for when they seed they do so most prolifically. The pollards are mostly sound trees from 6 inches to 9 inches diameter and not large unsound trunks. In Kurnool, improvement fellings were undertaken in the Bairnuti and North Chelama blocks; 400 acres in the former at a cost of Rs. 707–4–0 and 108 acres in the latter at Rs 212–9–0. The demand for the produce cut in both was slack owing to its inferiority and the business does not seem to be a profitable one. The whole produce was not sold and the amount realized for the quantity sold was Rs. 457-10–7.

In other districts no operations were undertaken.

The instructions of the Government of India on the subject of improvement fellings are borne in mind and effect is given to them when adequate supervision is possible.

(H) *Experiments and exotics.*

39. The progress made in this direction was as follows:—

Ganjám.—The growth of the date palms planted 3 years ago in Chatrapur reserve is very slow, only a few plants having put on their normally shaped leaves. The great majority is still only about 6 inches high.

Vizagapatam.—Ten thousand palmyra seeds from Sarvasidhi were sown in the Chinna Mangalapuram tope where an experimental nursery was formed, and the following common timber species were raised: teak, sâl, ironwood, *Lebedieropsis* (a very serviceable species producing strong rafters not attacked by whiteants which is found in large quantity in the Palkonda range and coppices luxuriantly) *Soymida* and *Anogeissus*. A register is also maintained recording the date of sowing and of germination of different species and the casualties.

Gódávari.—The Arabian date seedlings planted in previous years in the compounds of Rekapalle and Murmur rest-houses have almost all died out and the few that are surviving are looking very unhealthy; but some of the plants in the Narsapur and Bendamurlanka reserves are in fair condition. The experiment is not on a sufficiently large scale to be of any value.

Kistna.—The mahogany trees of Bezwada reserve flourish. They are now about 12 feet to 15 feet in height and 3 inches diameter at breast height. Some fresh *Swietenia mahogany* were planted—½ lb.—in Weld reserve and ½ lb. in Bezwada reserve. Of the former, 18 plants germinated and flourished. A few were afterwards taken in company with various other seedlings of different sorts, about 50 in number, by the Conservator for trial at some of the East Coast Railway stations. In the Bezwada reserve the new mahogany did not germinate.

The teak in Bezwada reserve is thriving well; some of 1 foot height in December were from 3 feet to 4 feet high at the close of the year and some of 4 feet to 5 feet height were 15 feet at the close of the year.

In *Kurnool* and *Anantapur* no progress was made.

Bellary.—Arabian date plants. 25 offsets were received in 1891–92 from Saharanpur and distributed 13 to the Rajah of Sandúr and 12 to K. Narayana Rao; of these, 15 are reported to be doing well. Besides 70 plants of the said species were taken out and given to Narayana Rao, of which 20 are reported in good condition, the rest having died.

During the year 6 lb. of mahogany seeds were received and distributed as follows:—

	LB.
Rajah of Sandúr	½
K. Narayana Rao	½
Mr. R. Sewell	¼
Range officer, Adóni	½
Do. Bellary	½
Do. Sandúr	3¾

It was reported that out of 210 seeds sown by Narayana Rao, 200 seeds germinated and were doing well. Those sown by Range officers, Adóni and Bellary, failed, while of those sown in the Ramandrug nursery in April and June 1892, 450 germinated and are reported to be in a flourishing condition. 123 of these are below 6 inches and 327 above 12 inches. 275 are in baskets and are strong and healthy. The seeds given to the Rajah were not sown. Those given to Mr. Sewell were sown in his garden but none of them germinated.

An experimental plantation was made in an acre of red soil area in the Kuppagallu reserve at a cost of Rs. 90. There are about 1,000 plants in it of different species, such as Mangrove, Sissus, Ippi, Nallamaddi, Tellamaddi, Kanaga, Margosa, &c., and they are reported to be in a very healthy condition. The plants are now about 3 feet above the ground. A well was sunk near

the plantation for the purpose of irrigation. Close to this another acre of land was ploughed and the following seeds were sown broadcast: Babul, Bandari, Tangedu, Margosa, Casuarina, &c. Some of them have germinated and are doing well. Among experiments may be mentioned that attention is now being specially directed in Bellary to fostering the growth of the ordinary date, *Phœnix sylvestris*.

CENTRAL CIRCLE—(EXTRACT FROM CONSERVATOR'S REPORT).

(E) *Natural reproduction.*

30. No special measures were undertaken during the period under report to facilitate natural reproduction from seed from the standing mother-trees by opening out the canopy or by clearing undergrowth. Nothing can be undertaken systematically until the subordinate staff is strengthened and the works of selection and demarcation are further advanced.

31. Collectors have contributed general remarks as to natural reproduction, and the following is a summary of the results of observations in the different districts. Reproduction from seed is almost wanting in tracts open to unlimited grazing and has been further prevented during the past year by scanty rainfall. It is worthy of notice that in forests consisting chiefly of *Albizzia amara*, even where grazing is limited, no reproduction takes place and not a seedling can be found. In the Napier, Chamala and Mamandur reserves, North Arcot, sporadic seedlings of *Pterocarpus santalinus*, *Chloroxylon swietenia* and *Hardwickia binata* are increasing. Seedlings of *Bambusa arundainacea* and *Dendrocalamus strictus* from the seeding of last and previous years are coming up in abundance on the Javadi hills, Vellore and Chandragiri taluks, North Arcot district

Cuddapah.—The compartment coppiced in the Balapalle working circle has reproduced satisfactorily.

Chingleput.—On the slopes in the Nágalápuram and Kambakkam reserves, where there is practically no grazing, natural reproduction is fair and the grass growth has probably preserved many young seedlings during the past three dry seasons. In the Aradur and Sathiavedu reserves, where experimental areas were cut over last season, the coppice is coming on well. Last year an experiment was conducted in the Pulrampakkam reserve of penning goats and feeding them with babul. A large number of seedlings sprang up, but 50 per cent. have since died owing to want of rain.

North Arcot.—It is satisfactory to note that the fencing of three areas in the Javadis last year, to encourage sandalwood reproduction, has been fairly successful; there is no doubt the enemy to its successful natural reproduction is grazing; dibbling in these areas is proposed to be undertaken. In Carnatic Ghur reserve the sowing of patches with sandalwood seed has failed, the site chosen is eminently suited as well as the natural conditions and pitting and sowing in prepared patches will be undertaken this year.

Salem.—The reproduction of sandalwood in the Jowlagiri reserve, which fortunately has been subject to only light grazing, was found by the District Forest-officer to be very encouraging, and this reserve has now been closed altogether to grazing. On the Javadis, as in North Arcot, seedlings were only found in clumps of bamboos where they have escaped cattle.

(F) *Artificial reproduction and cultural operations.*

Casuarina plantations.—No additions were made in the Nellore district. In the Chingleput district 7·6 acres were replanted up in the Maiyur plantation with 12,061 seedlings and the casualties, which amounted to 2,150, have been replaced. Some 2,300 young plants were put out in the Wallajabad tope and are reported doing well. In North Arcot district 133·2 acres of Viringipuram, 133·8 acres in Tiruvallam and 40·9 acres in Amundi plantations have been replanted and blanks in previous year's plantations replaced. Both seedlings and young plants suffer from a fungoid growth and the sapplings and older stems from a borer. I have imported a small quantity of seed from the Tenasserim circle, Burma, and the results will be carefully watched. The plantations made this year are not pure casuarina; a mixture of *Albizzia lebbek*, *Cassia siamia* and *Cæsalpinia coriaria* has been introduced, also over a large portion palmyra seedlings have been planted in sites where casuarina had proved a failure In South Arcot 10 acres in Tulankoda, 20 acres in Shonankuppam, 10 acres in Doni Durai and 50 acres in Nochikadu were planted with casuarina at a cost of about Rs. 17 per acre with very satisfactory results. Fifty-two acres of the north and south casuarina plantations in the Tanjore district have been planted; over 85 per cent. of the seedlings are thriving. In Trichinopoly 15 acres of the Coleroon padugais and 24 acres of the Cauvery plantations were replanted; in the latter a mixture of *Cassia siamia* has been introduced. An interesting statement appendix has been compiled by the District Forest-officer, Nellore, showing the approximate financial results of the casuarina plantations in the district. The older plantations have entailed an expenditure of Rs. 1,90,688, while revenue already realized and still to be realized will only amount to about Rs 1,59,400. These were formed under the jungle conservancy, and the cost of planting, &c., was excessive. The plantations formed since 1880 will probably more than cover the outlay, but will yield no large profit, though the price of casuarina has fallen to about one-half of the rate it was a few years ago. The old plantations in the Nellore district present a peculiar appearance; with the exception of round the wells, all the old trees have died.

33. *Other plantations.*—Date plantations at Allipuram, Nellore district. This plantation said to cover an area of 80 acres, has not received the attention it should have. It has been attacked by caterpillars which for a time baffled all attempts to get rid of them. Sulphur reduced to powder eventually proved successful. The small plantation at Sríharikóta has been much damaged by white ants. No additions were made during the period under report.

The following statement shows number of plants and cost :—

Name of plantations.	Description of plants.	Year in which commenced.	Area on 31st March 1892.	Total.	Number of plants alive on 31st March 1892.	Casualties during 1892-93 up to June 1893.	Replaced.	Remainder.	Cost in 1892-93 up to 30th June 1893.	Total cost up to 30th June 1893.
			ACS.	ACS.					RS. A. P.	RS. A. P.
Allipuram Date Plantation ..	Arabian Date	1889-90	80	80	10,800	8,220	..	2,580	374 3 10	1,618 11 1
	Persian Date				1,150	67	..	1,083		
	Egyptial Date	1891-92			2,400	1,000	..	1,400		
Sríharikóta Date Plantations ..	Arabian Date ..	1889-90	20	20	480	357	270	393	66 0 0	231 0 0

The red sanders (*Pterocarpus santalinus*) in the plantation at Kodur, Cuddapah, continues to progress ; the trees are 27 years old with an average girth of 22·59 inches, but probably have developed no heartwood yet. The teak in this plantation is a failure as might be expected ; the site is unsuited.

In Trichinopoly one acre of the Coleroon plantation was planted with *Inga dulcis* and *Cassia siamia* and over a second acre seeds of the same species were dibbled ; the result has not been reported.

The Nursery at Balapalle, Cuddapah, was maintained and 2,809 seedlings of various species were transplanted from it into the Balapalle working circle and the Mojilipenta forest. It is too early to report results.

Pit planting of bamboos from nurseries made last year in Chittoor, Banavaram and Palamedi reserves, North Arcot, have been most successful ; about 200 acres in the last-named reserve have been planted at a small cost.

34. *Sowings.*—Experience in this circle has shown that broadcast sowings unaccompanied by preparation of the soil are a failure and waste of money and will be discontinued.

With favorable rains better results might be attained, but the success of such work even then must depend upon the interest and energy shown by subordinates in charge, and these qualities, I fear, are generally wanting. District Forest-officers have no time to personally supervise such work. A little timely weeding or clearing costing little or nothing would be of the greatest value.

Nellore.—The experiment in the Sríharikóta forests of broadcast sowing in prepared patches was again a failure. The past unfavorable seasons have no doubt contributed to this result. Similar work undertaken in the casuarina plantations have been more successful, and last as well as former years' sowings are encouraging. It is proposed by this method to convert the older casuarina plantations into a mixed forest of *Albizzia amara*, *Azadirachta indica*, *Albizzia lebbek* *Cassia florida*, &c. *Cassia auriculata*, as a minor product, has also been sown and has succeeded well. The outlay during the year was only Rs. 38 and about 150 acres were treated.

Cuddapah.—One thousand palmyra seeds were sown in Rámésvaram plantation, but none have yet germinated. Two acres in Ooperapalle plantation sown with various seeds were fairly covered with seedlings, but all have succumbed to the drought. A similar sowing over 25¾ acres in the Reddipalle plantation has resulted in about 25 per cent. of the seeds surviving the hot weather.

North Arcot.—The palmyra seeds sown last year in Tiruvallam plantation and Satghur reserve have germinated fairly well, and 38,000 have been sown this year in the former and 24,000 in the latter reserve.

Avaram (*Cassia auriculata*) sowings undertaken last year in Nelvoy tope, Nagapatla and Chamala reserves in abandoned fields are a failure, but better success has followed sowings in Musalimadugu, Kappulur, Kelur, Vellakal and Ambúr reserves.

A strip sowing in one of the improvement fellings of the Ambúr reserve where the soil had been slightly worked up of *Acacia sundra*, *Albizzia amara* and *Albizzia lebbek* has been very successful and this operation will be continued. An area of about 150 acres in the Napier reserve has been sown with *Acacia sundra* and at the time of submitting the District report germination had commenced. In the Carnatic Ghur reserve over about 120 acres, creepers have been cut and one-foot square patches have been prepared for the reception of sandalwood (under shade) and *Albizzia lebbek* (in the open).

Sownigs of various seeds in the Anamalai reserve and Agaram Plantation, South Arcot resulted in failure. In the Cuddalore range permission has been given to ryots to cultivate blanks upon the condition that at the end of five years they are made over fully stocked with cashew. The results so far are satisfactory.

(G) *Improvement fellings.*

35. *Nellore.*—An experimental area of 2 acres in Sríharikóta has been coppiced instead of pollarded. The stool shoots are coming on well and it will be found more remunerative eventually to treat the whole of this forest similarly, leaving a small percentage of the more valuable trees as standards.

Gudur reserve.—An area has been fenced in and the stunted growth is being cut back, the most promising and valuable species being left as standards. Similar work has been carried out over small areas in the Sathiavedu and Aradur reserves, Chingleput district; the coppice is coming on well.

North Arcot.—These operations have been conducted upon an extensive scale and have extended over an area of 5,584 acres in 24 reserves. They have varied from moderate improvement fellings to cutting back the whole growth, in some instances a few of the more promising and valuable trees being left as standards. The work has been done partially departmentally and the rest by contractors under supervision. The results are good both from a sylvicultural and financial points of view, the net profit having been Rs. 19,200. Under direct supervision the proceeds do not equal those from contractors working; this is only natural, while on the other hand the work is better done. Considering the establishment at his command Mr. Marshall deserves great credit.

Tanjore.—Eighteen acres of the Vettangudi reserve were cut over; cost and results not reported.

Salem.—Ten areas in different reserves extending over 3,686 were felled over by contractors for fuel supply; in most cases clean felling had to be resorted to; other areas to meet local requirements have been undertaken departmentally; the coppice shoots are all that can be desired.

Weeding, creeper-cutting, &c.

Cuddapah.—Creeper-cutting was done throughout Kodur and Ooperapalle plantations by the temporary establishment.

Creeper-cutting was carried out in compartments 4, 16, 15, 22, 24 and 26 of Balapalle working circle and over 4 acres of coupe No. 1 of Horsleykonda at an average cost of Re. 1 per acre. The fences of three topes were thoroughly repaired and 4 topes were newly fenced with stone wall or ditch and also hedge.

North Arcot.—Five hundred acres in the Napier reserve cut over in the beginning of 1892 were cleared of creepers and thorns as were all the casuarina plantations; in these prickly-pear had begun to assert itself.

Trichinopoly.—Removal of prickly-pear and weeding of the casuarina plantations has been attended to.

(H) *Experiments and Exotics.*

Date.

In Nellore.—At the commencement of the year there were 480 plants, 270 were planted during the year. Of these 357 have been killed by white-ants.

In Cuddapah.—The dates from Saharanpur planted in the Balapalle nursery have decreased in numbers from 50 to 21 and are not flourishing. The site and soil are uncongenial. Of the 105 Persian Gulf dates planted in Peryavaram palmyra plantation, 10 have died in spite of regular watering.

In Chingleput.—The Busrah and South Malabar plants have made fair progress. The Egyptian dates sown last year in Maiyur plantation are thriving.

In North Arcot.—Fifty-nine Busrah seeds raised from seeds in 1886 are now 4′ to 5′ high. Eighty-five of the 86 date offsets imported from Busrah in 1886 are thriving and vary in height from 4′ to 16′. On the 31st March 852 date seeds obtained locally last year germinated and the seedlings are from 1′ to 2′ high. The seedlings from 17,148 seeds sown in 1892–93 are thriving. The large date nursery made last year in Tiruvallam plantation is a great success, and the seedlings are healthy and well grown, they will be planted out this year; a quantity of seed was also obtained locally. The seedlings planted in 1891–92 have done decidedly well, they were planted alternately with casuarina.

In South Arcot.—In 7 ranges there existed 156 trees on the 31st March 1892 One hundred and forty now remain varying in height from ½′ to 9′. During the year 8 were added.

In Tanjore.—Of the 446 date plants planted in 1881 in the north and south date gardens in the Vettangudi forest, 221 in the former and 225 in the latter survive varying from 2¾′ to 14′ in height. Of the date offsets planted in October 1889, 5 have died during the year and the remaining 109 are thriving. Only 69 out of 223 Persian date seeds received from the Conservator of Forests sown in pots in the Vettangudi nursery during 1891–92 are alive and flourishing. Thirty-seven plants put out last year in the Ovelakudi reserve have all died. In the Malthottam west block in the southern range there remained, at the beginning of the period under report, 40 date plants with 62 offsets making in all 102. Of these 37 died during the year, the remaining 65 trees vary in height from 3 to 10 feet.

In Trichinopoly.—The Phoenix Dactilifera plants surviving at the close of the last year both on the Pachamalai and in the Cauvery plantation are doing well.

In Salem.—The 18 date palm seedlings planted in the Kuravalli Kumbai reserved forest in Námakal range have died. Twenty-four of the 34 seedlings on the banks of the Chennar river mentioned in last report have died and the remaining 10 are reported sickly.

Mahogany.

In Nellore.—Of the 172 plants remaining at the commencement of the year, 23 died in spite of continued watering. Eighty-two plants of *Swietenia Macrophylla* were planted during the year; these are growing well.

In Chingleput.—Of the 57 seedlings which survived last year, 40 survive and are flourishing. The mahogany seedlings are doing well in the Maiyur plantation, 150 were newly put out, of which 71 have died. The older ones are healthy but have not put in much wood.

In North Arcot.—At the commencement of the year there remained 394 trees varying in height from 4′ to 15′. Of these 125 died during the year. The remainder varies in height from 2½′ to 15′. In 1892–93, 200 plants were planted in Palamadi nursery. In Palmaner Eucalyptus plantation there existed on the 31st March 1892, 551 varying in height 3′ to 7′. Of these 200 have died, the balance is now from 4′ to 9′ high and 200 were planted out in 1892. The mahogany planted in Tiruvallam is doing fairly well. But is not a great success considering the care taken. In Palamadi reserve, 200 plants are in the nurseries and will be put out before the end of October.

In South Arcot.—It is reported that there existed in 5 ranges 172 on the 31st March 1892. The 8 plants added during the year are sickly, the remainder varies in height from 3′ to 30′.

In Tanjore.—There are 35 trees in the Vettangudi forest in the northern range varying in height and girth from 4′ to 23′ and from 8″ to 2′ 5″, respectively.

In Trichinopoly.—The Swietenia mahogany plants surviving at the close of last year both on the Pachamalai and in Cauvery plantation are doing well.

Peltophorum Ferrugineum.

In Nellore.—There remained 5 plants of Peltophorum at the commencement of the year and these are growing well.

In South Arcot.—In Siruvadi and Murungapakam there existed 613 trees—to these 164 were added during 1892–93—these are flourishing.

In Tanjore.—The 24 plants planted in Vettangudi forest in the northern range in 1886 are thriving well, their height and girth vary from 15½′ to 31′ and 1¼′ to 3¾′, respectively.

Red Sanders.

In Nellore.—There were at the commencement of the year 15 plants, 7 were killed by the drought during the year.

In South Arcot.—At relief camp there existed 21 on the 31st March 1893, 7 were added during the year making in all 28, and these are growing well.

Sissu.

In Nellore.—Of the 8 plants that remained at the commencement of the year, 2 have died. Death is ascribed to the heat.

In South Arcot.—At the close of March 1892 there existed in Tiruvadi, Murungapakam and relief camp tope 614 and one in nursery tope, 67 died during the year, the remaining 547 thrive varying in height from 16′ to 20½′. Those planted in the relief camp are stunted. The one existing in the nursery tope is 25′ high.

Burmah Bamboos.

In Chingleput.—Those in the Tandrai reserved forest and Maiyur plantation are doing well.

In Nellore.—Of the 1,760 bamboo plants remained at the commencement of the year, 560 were killed by insects

Ceara Rubber.

In South Arcot, No. II Range (Tindivanam and relief camp).—There existed on the 31st March 1892, 42 and 154 were planted during the year—these flourished and have attained a height of 22′.

Eucalyptus.

In the Salem district the 2 Eucalyptus trees planted in Hosur range continue to flourish.

Erythroxylon Coca.

In Cuddapah the seedlings at Balapalle and Horesleykonda are still alive, but have made poor progress.

Acrocarpus laxinifolius.

In Cuddapah the favorable opinion expressed in the last report requires modification, 65 per cent. of those planted at Horesleykonda have died as well as some 30 planted out in pits in the Kodur plantation.

Edible Prickly-pear.

In Nellore the 12 plants that remained at the commencement of the year are growing well.

SOUTHERN CIRCLE—(ABSTRACT OF COLLECTORS' REPORTS).

(E) *Natural Reproduction.*

Natural reproduction under protection is unmistakeably good, but areas that are still open to wood-cutting on seigniorage permits show little progress compared with the better closed areas. The poorer areas, especially, consisting of hill sides and steep slopes in the near neighbourhood of large herds of cattle, are over-grazed and suffer both in loss of soil and failures of seedlings. Little can be done beyond making careful observations until the establishment is strengthened.

The following is a summary of the observations made by the district officers :—

Madura.—The coppice growth in Kadavur and Vemburuli blocks of Alagar hill and in the recently cut-over coupes is satisfactory. The Conservator remarks that throughout the reserves in Madura, especially on the low hills in the plains, improvement is noticeable; but protection against cattle and wood-cutters is not as efficacious as it will, it is hoped, become hereafter.

Tinnevelly.—The natural reproduction in the firewood coupes of the ghât forests worked under the "coppice with standard system" is all that could be wished for. In the evergreen forests of the higher hills there is good natural reproduction from kongu (*Hopea wightiana*), the chief timber tree of this district; and improvement fellings are being made by cutting out the inferior growth around it. In the forests of the plains, which chiefly consist of rocky hills, the growth of grass and scrub jungle has wonderfully improved during the last seven years of rigid protection.

North Coimbatore.—No progress.

South Coimbatore.—In the Sholakarai range, the coppice reproduction continues to be satisfactory, and in the coupes felled the seedling reproduction of teak (*Tectona grandis*), rosewood (*Dalbergia latifolia*) and vengai (*Pterocarpus marsupium*) also continues to be fair. In the Anamalai forest the natural reproduction of teak (*Tectona grandis*) cannot be said to be good. In Chinnar forest in the Bolampatti valley, the coppice shoots in the coupes felled over have come up fairly well. The Conservator remarks that a good deal of the young growth of *Dalbergia latifolia* is due to root-suckers, although there are seedlings as well.

Nilgiris.—The coppice growth from Australian *Eucalyptus* and wattles has as usual been excellent. The reproduction from sandalwood (*Santalinus album*) in the Sigur range is satisfactory, as also from vengai (*Pterocarpus marsupium*), teak (*Tectona grandis*) and rosewood (*Dalbergia latifolia*) in the thinned compartments of the Marigudi block of Mudumalai. Young teak coppice is abundant in Tippacadoo and parts of Mudumalai. The annual growth from stool shoots is very good. The reproduction of *anogeissus* and mutty (*Terminalia coriacea*) leaves nothing to be desired. The Conservator observes that natural reproduction is decidedly improving under protection, and that the sholas tend to expand where fires have been kept out. But the reverse is the case in the deciduous forests, where the damage done by fires every year is becoming somewhat alarming.

North Malabar.—Progress is satisfactory as regards such trees as mathi (*Terminalia tomentosa*), red cedar, vagai (*Albizzia lebbek* and *odoratissima*), &c., but not in the case of teak.

South Malabar.—In the Nellikutta and Karimpoya reserves the seedling growths of *Lagerstræmia microcarpa* and *Dalbergia latifolia*, and coppice growth of *Terminalias* and *Tectona grandis* are very good. The natural production in the Chenat Nair reserve is all from seeds as the forest is worked under the selection system. The seedling growth of *Xylia dolabriformis*, *Lagerstræmia microcarpa*, *Pterocarpus marsupium* and *Dalbergia latifolia* is good. In the Walayar reserve worked under the "coppice with standard system," the growth from stumps and seeds have been found to be excellent.

South Canara.—Natural regeneration is disappointing owing to (1) grazing, (2) fire, (3) high winds, (4) hilly ground, and (5) violent floods of rain.

(F) *Artificial production.*

Plantations.

Madura.—Along the Alagar hill ghât road, *ficus* cuttings have been planted as an avenue. The Gundan shola plantations, the small Tumbarai plantations and the other minor sholas included in the plantations are all looking very well.

Tinnevelly.—In Kudiraimoliteru reserve forest (a large sandy waste 13,392 acres in extent). 1,153 seedlings of various species were reared in addition to the ordinary cultural operations. In some of the plain forests *Cassia auriculata* seeds were dibbled into the soil, but they failed on account of drought. Palmyra nuts (*Borassus flabilliformis*) and casuarina and teak seeds were also sown in some reserves during the year.

North Coimbatore.—There is no plantation in this district except the Bylur sandalwood plantation which has since been treated as a sandalwood compartment.

South Coimbatore.—Most of the plants of vengai (*Pterocarpus marsupium*) and rosewood (*Dalbergia latifolia*) transplanted in 1891 in the felled coupes of the Chinnar working circle have died, also a few of the mahogany (*Swietenia macrophylla*). The broadcast sowing of teak, vengai (*Pterocarpus marsupium*) and rosewood (*Dalbergia latifolia*) over another portion of the same circle also failed. The transplantation of mahogany plants into an open corner of the Karian shola plantation likewise proved unsuccessful.

Nilgiris.—The clearing of jungle and creepers in the Mudumalai and Benne teak plantations was completed during the year at a cost of Rs. 215 including cost of upkeep, but pruning is still in progress. The *Eucalyptus* plantations on the plateau have continued to make good growth. No fresh area has been added as Government ordered that they should not be extended.

North Malabar.—The Kanot teak plantations, 41·50 acres in extent, was fire traced as usual. Some little thinning was also done. Over the greater portion of the area the growth of the tree is very slow owing to unsuitable soil. A nursery of teak (*Tectona grandis*), vengai (*Pterocarpus marsupium*) and blackwood (*Dalbergia latifolia*) was formed at Begur and the plants put out in the jungle in pits; 50 per cent survived and half of this looks very promising.

South Malabar.—152,326 teak and 1,626 *Swietenia macrophylla* seedlings were planted during the year. The weather being unfavorable, there were about 30 per cent. of casualties under teak which were replaced at once. A site of about 100 acres in extent was felled and partly planted with teak and *Swietenia macrophylla*. All the *macrophylla* plants, coppiced lately in Nilambur plantations and Palghat forests, were exempt from the usual borer and showed satisfactory growth.

South Canara.—Besides the maintenance of the two casuarina plantations at Mangalore and the teak plantation at Parappa, broadcast sowings have been made in several reserves and a large quantity of seed has been collected and used for the purpose. Arrangements were also made to dibble 100 acres with cinnamon seeds, but this did not prove completely successful. Seeds of firewood and timber trees were also sown in some reserves. In Coondapoor, 1·7 acres were planted with casuarina.

Topes.

Madura.—The produce of the fruit trees is removed by the minor produce contractors. The topes are periodically inspected; but it is not desirable to have them under the control of the Forest department.

North Coimbatore.—There are not really so many topes or of such extent as entered in the list. Steps have since been taken to correct and revise it.

Cultural operations.

Madura.—The state of the season rendered this impossible.

The Nilgiris.—Seeds of various trees were dibbled and also sown broadcast in the Kuppadi forest, Chedleth range, and in the Kanoth forest. The result was favorable at Kanoth, but at Kuppadi the majority of the seedlings perished.

South Malabar.—Seeds of *Swietenia Macrophylla* and *Sterculia alota* were sown during the year and plants raised from the same.

(G) *Works of Improvement.*

Madura.—The Alagar Hill ghât road from the 3rd to the 5th mile was widened and opposite to Thirtamandapam about 2½ acres of land have been cleared of all thorny shrubs for planting up with useful and ornamental trees.

Tinnevelly.—An improvement felling of pure teak was made in Valaikulam reserve. The area chosen was 5¾ acres The yield was about 3½ tons per acre and there was a net profit of Rs. 7 per acre. Similar improvement fellings are being regularly carried out in other coupes. Data for calculating the annual increment of growing stock and yield are being recorded in registers kept up in each range.

South Coimbatore.—The Mount Stuart compound was fenced with wire during the year at a cost of Rs. 212-11-0.

The Nilgiris.—Improvement thinnings were carried out in several of the reserves and the results are on the whole satisfactory.

North Malabar.—Some pepper vines were planted in Kanot pepper plantations during the period under report at a cost of Rs. 14.

South Malabar.—All the plantations were weeded during the year; some pruning, parasite-clearing and thinning was also done. The *Swietenia Macrophylla* plants were fenced.

South Canara.—Sixty acres of Ajarkadu and 20 acres in compartment No. 1 of Sabladi were cleaned; creepers were cleared over 20 acres in compartments Nos. 9 and 10, Poitaje. The boundaries of a few reserves were cleared departmentally, but the proceeds could not be disposed of.

(H) *Exotics and Experiments.*

Mahogany.—The good growth of the *Swietenia Macrophylla* in Madura has induced the District Forest-officer to extend its trial; of the trees planted in Tinnevelly in 1887, none has yet reached a greater height than 18 feet. In South Coimbatore, the seedlings raised were put out in the felled area in the Chinnar working circle, but proved a failure as only 68 out of 308 survived and even these are not in a hopeful condition. The *Swietenia mahogani* is flourishing in the Nilgiri district, the largest trees being 10 inches in girth at 3 feet from the ground, but it is not successful in North and South Malabar. The *Swietenia macrophylla* is also successful in the Nilgiris, and every effort has been made to propagate it. In South Malabar, this tree measured 82 feet in height and 82 inches in girth at base in the Chathamborai forest. Trees of the same species planted as standard with teak in Pokote blocks V and VI are also thriving.

Blue gums.—Some of the blue-gums (*Eucalyptus globulus*) planted in 1884 in Tinnevelly have reached a height of 60 feet at an elevation of 2,500 feet. Seeds of *Eucalyptus robusta* have been applied for from Australia to be tried on the Nilgiris as this species makes splendid growth on the slopes; a tree five years old growing at an elevation of 5,000 feet was 40 feet high, a foot in diameter and most beautiful and symmetrical all round. The soil in Sim's park, Coonoor, being miserably poor, the several species of this tree planted there have not had a fair trial. In North Malabar three species of this tree have been grown and all are in good condition.

Rubber trees.—The *Cœra* rubber trees in the Manantoddy garden in North Malabar grow well and produce self-sown seedlings. The *Hevea castilloa* and *Cœra* are thriving in South Malabar. One *Castilloa* was entirely barked by a borer.

Date (*Phœnix dactylifera*).—Fourteen plants are thriving in Mundanthorai and Kadavur in Tinnevelly and have reached a height of 2 feet. The five Egyptian date palm seeds sown in 1891–92 in the Bylur sandalwood compartment in North Coimbatore are doing fairly well and are 4 feet high. In South Malabar there have been several casualties among the plants planted in 1890 and 1891. In South Canara they have proved quite a failure, as the climate is too wet.

Bamboos.—Two consignments of Japanese bamboos were tried in the Nilgiris; the first proved a failure, the plants having died owing to long detention at Madras. In the second 52 out of the 64 plants were received in good condition and planted out at an elevation of 4,700 feet, well protected by a stone wall and hedge. Twenty-eight species are now alive in the Nilgiri district. In North Malabar, the giant bamboos (*Dendrocalamus brandisii*) have been growing vigorously, the largest culm being 95 feet in height and the thickest stems measure 1 foot 3 inches in girth. The growth of the golden Burma bamboos (*Bambosa vulgaris*) in the same district and in South Malabar is satisfactory, the tallest shoots averaging 34 feet with a girth of 11 inches. The *Bamboosa longispatha* planted in Tannirbhavi in South Canara have failed as they are in pure sand. The *Bamboosa longispathas* and *Cephalostachyum pergracile* are growing well in North and South Malabar. The *Beesha Travancorea* grows satisfactory at Manantoddy and at Kanoth in North Malabar. It is also growing splendidly in the Nilgiris.

Ipecacuanha.—Of the 314 plants of 1887, 87 died during the year. There are also 13 plants of 1884 varying in height from 2 to 3 feet.

Manilla hemp (*Musa textilis*) grows luxuriantly in North Malabar and Nilgiris. In the latter district, the elephants kept by the department destroyed the main stem; but several suckers have come up.

APPENDIX G.

Roads.

The following is a list of the principal new roads completed during the period under report:—

Ganjám.—Two miles and a half of the Kallada-Tilasingi road and 15 miles of block lines.

Gódávari.—The Ziriguppa-Ramadevipeta and Murmur-Tatlanka roads.

Kistna.—The Navalapuri road; the first section of the Kondapalli hill road; the Bolapalli-Ravulapuram road and the Ravulapuram-Remidicherla road.

Kurnool.—The Rollapenta-Pecheruvu road (4 miles); Adutta-Komativanibhavi road (7½ miles) and the Basavapur-Bundlapenta road.

Cuddapah.—The Peddagadi road and bridge over the stream of the same name.

North Arcot.—The Musalimadugu road.

Salem.—The Ancheti-Kundukota road (2½ miles).

Madura—

(1) Bombadi Shola road.
(2) Sambalpoduvanta road.
(3) Sogu Sukaramkuttu bridle path.

Tinnevelly—

(1) Khansahibpuram road.
(2) Rajapalayam road.
(3) Road to Courtallam rest-house.
(4) Kallimalai road.
(5) Kottanteri road.
(6) Papanasam road.

South Coimbatore.—A timber slip in No. 1 Range, and a road from Iyentalaikayaru to Navaladi.

North Malabar.—The Chedleth hill road (two sections) and a new cart-road from Chedleth Odaipallam through the Kuppadi block.

South Malabar.—Six miles of compartment roads.

Buildings.

The following is a list of the principal new buildings completed during the period under report :—

Ganjám.—A rest-house at Baibali and a Range house at Suradá.

Vizagapatam.—A bungalow at Zambada.

Kistna.—A rest-house at Bollapalli. The former Police station at Gavaravaram was handed over to the department to be used as an inspection shed.

Anantapur.—Outhouses and stables to the Konapanayani bungalow.

Bellary.—A Range house.

Kurnool.—A tana house at Ernapad. A rest-house at Papinenipalli. Several Guards' huts and a Tana hut. The Gudalur rest-house was purchased from the Southern Mahratta Railway.

Cuddapah.—The Balapalli inspection bungalow.

North Arcot.—Four rest-houses and stables to two rest-houses. Wells were dug in the compounds of rest-houses.

South Arcot.—The Tirukkóyilúr Range office (Rs. 1,090).

Madura—

Gudalur forest station (Rs. 698).
Tandigudi forest station (Rs. 739).
Tuni rest-house (Rs. 817).
Munur rest-house (Rs. 1,063).
Vannathiparai rest-house (Rs. 706).
Outhouses to Cumbum Ranger's house (Rs. 215).

Tinnevelly.—Eighteen buildings including outhouses and Forest Guards' huts.

North Coimbatore.—Two Range houses (Rs. 700 each) and a rest-house at Hanur.

South Coimbatore —Several buildings to serve as quarters to Rangers, Foresters and guards (Rs. 4,543).

Nilgiris.—A Forester's house, a depôt clerk's office at Ootacamund, a Ranger's shed at Muthanad and several Guards' huts.

North Malabar.—A double serambi at Muthungai and one at Chedleth.

South Canara.—A forest hut in Coondapoor.

A rest-house at Kavuthumalai in South Arcot is reported to have been destroyed by fire.

APPENDIX H.

Nellore.

1.—STATEMENT showing the results of transport of casuarina wood by tramway compared with transport by country carts in the casuarina plantations in Nellore.

Capital Account, 1885–86.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To cost of plant	6,950	0	0	By depreciation at 6 per cent.	417	0	0
				,, interest at 4 per cent.	278	0	0
				,, balance of stock	6,255	0	0
Total ..	6,950	0	0	Total ..	6,950	0	0

Revenue Account, 1885–86.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To working expenses	361	5	3	By balance written off	1,056	5	3
,, interest at 4 per cent.	278	0	0				
,, depreciation	417	0	0				
Total ..	1,056	5	3	Total ..	1,056	5	3

Work done—1,891 tons of casuarina wood carried over 1½ miles = 2,127 ton miles.
Actual charges for carrying—2,127 ton miles at annas 7-11 = Rs. 1,056-5-3.
Estimated cost by country carts—2,127 ton miles at Re. 1 = Rs. 2,127.

Capital Account, 1886–87.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To balance from 1885–86	6,255	0	0	By depreciation at 6 per cent.	892	11	10
Add new stock	8,624	0	0	,, interest at 4 per cent.	595	2	7
				,, balance of stock	13,391	1	7
Total ..	14,879	0	0	Total ..	14,879	0	0

Revenue Account, 1886–87.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To working expenses	830	14	9	By balance written off	2,318	13	2
,, interest at 4 per cent.	595	2	7				
,, depreciation	892	11	10				
Total .	2,318	13	2	Total ..	2,318	13	2

Work done—2,036 tons of casuarina wood carried over 2¾ miles = 5,599 ton miles.
Actual charges for carrying—5,599 ton miles at annas 6-8 = Rs. 2,318-13-2.
Estimated cost by country carts—5,599 ton miles at annas 14-2 = Rs. 4,957-7-2.

Capital Account, 1887–88.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To balance from 1886–87	13,391	1	7	By interest at 4 per cent. .. .	535	10	3
				,, balance of stock	12,855	7	4
Total ..	13,391	1	7	Total ..	13,391	1	7

Revenue Account, 1887–88.

Dr	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To working expenses	..	.		By balance written off	535	10	3
,, interest at 4 per cent.	535	10	3				
Total ..	535	10	3	Total ..	535	10	3

No wood was cut and transported on tramway as there is no demand for it and as there was a large stock of previous year undisposed.

Capital Account, 1888–89.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To balance from 1887–88	12,855	7	4	By depreciation at 6 per cent.	771	5	3
				,, interest at 4 per cent.	514	3	6
				,, balance	11,569	14	7
Total ..	12,855	7	4	Total ..	12,855	7	4

Revenue Account, 1888–89.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To working expenses	545	11	11	By balance written off	1,831	4	8
,, interest at 4 per cent.	514	3	6				
,, depreciation	771	5	3				
Total ..	1,831	4	8	Total ..	1,831	4	8

Work done—2,065 tons of casuarina wood carried over 2¾ miles = 5,679 ton miles.
Actual charge for carrying—5,679 ton miles at annas 5-2 = Rs. 1,831-4-8.
Estimated cost by country carts—5,679 ton miles at annas 14-0 = Rs. 4,969-2-0.

Capital Account, 1889–90.

Dr.	Rs.	A.	P.	*Cr.*	Rs.	A.	P.
To balance from 1888–89	11,569	14	7	By depreciation at 6 per cent.	694	3	1
				,, interest at 4 per cent.	462	12	9
				,, balance	10,412	14	9
Total ..	11,569	14	7	Total ..	11,569	14	7

I.—Statement showing the results of transport of casurina wood by tramway, &c.—*cont.*

Revenue Account, 1889-90.

	Dr.	Rs.	A.	P.		Cr.	Rs	A.	P.
To working expenses		117	10	11	By balance written off		1,274	10	9
,, interest at 4 per cent.		462	12	9					
,, depreciation		694	3	1					
Total ..		1,274	10	9	Total ..		1,274	10	9

Work done—504 tons of casuarina wood carried over 2¾ miles = 1,386 ton miles.
Actual charge for carrying—1,386 ton miles at annas 14-8 = Rs. 1,274-10-9.
Estimated cost by country carts—1,386 ton miles at annas 14-11 = Rs. 1,292-2-6.

Capital Account, 1890-91.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To balance from 1889-90		10,412	14	9	By depreciation at 6 per cent. ..		624	12	6
					,, interest at 4 per cent.		416	8	3
					,, balance		9,371	10	1
Total ..		10,412	14	9	Total ..		10,412	14	9

Revenue Account, 1890-91.

	Dr.	Rs.	A.	P.		Cr	Rs.	A.	P.
To working expenses		338	1	5	By balance written off		1,379	6	1
,, interest at 4 per cent.		416	8	3					
,, depreciation		624	12	5					
Total ..		1,379	6	1	Total ..		1,379	6	1

Work done—2,411 tons of casuarina wood carried over 2¾ miles = 6,630 ton miles.
Actual charge for carrying—6,630 ton miles at annas 3-3 = Rs. 1,379-6-1.
Estimated cost by country carts—6,630 ton miles at annas 12-3 = Rs. 5,076-1-6.

Capital Account, 1891-92.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To balance from 1890-91		9,371	10	1	By depreciation at 6 per cent.		562	4	8
					,, interest at 4 per cent.		374	13	10
					,, balance		8,434	7	7
Total ..		9,371	10	1	Total ..		9,371	10	1

Revenue Account, 1891-92.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To working expenses		239	1	3	By balance written off		1,176	3	9
,, interest at 4 per cent.		374	13	10					
,, depreciation		562	4	8					
Total ..		1,176	3	9	Total ..		1,176	3	9

Work done—1,613 tons of casuarina wood carried over 2¾ miles = 4,436 ton miles.
Actual charge for carrying—4,436 ton miles at annas 4-2 = Rs. 1,176-3-9.
Estimated cost by country carts—4,436 ton miles at annas 13-5 = Rs. 3,719-12-4.

Capital Account, 1892-93 up to 30th June 1893.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To balance from 1891-92		8,434	7	7	By depreciation at 6 per cent.		506	1	1
					,, interest at 4 per cent.		337	6	0
					,, balance		7,591	0	6
Total ..		8,434	7	7	Total ..		8,434	7	7

Revenue Account, 1892-93.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To working expenses		472	6	2	By balance written off		1,315	13	3
,, interest at 4 per cent.		337	6	0					
,, Depreciation		506	1	1					
Total ..		1,315	13	3	Total ..		1,315	13	3

Work done—1,830 tons carried over 2¾ miles = 5,033 ton miles.
Actual charge for carrying—5,033 ton miles at annas 4-2 = Rs. 1,315-13-0.
Estimated cost by country carts—5,033 ton miles at annas 13-11 = Rs. 4,384-10-0.

II.—Statement showing the results of transport of wood by tramway compared with transport by country carts in Sriharikóta Range.

Capital Account, 1889-90.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To cost of plant delivered at Penubakam.		17,070	0	0	By depreciation		1,024	3	2
		..			,, interest		682	12	10
					,, balance		15,363	0	0
Total ..		17,070	0	0	Total ..		17,070	0	0

II.—Statement showing the results of transport of wood by tramway, &c.—*cont.*

Revenue Account, 1889–90.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To working expenses	25	13	11	By balance written off	1,893	7	0
,, road-making charges, &c.	160	9	1				
,, interest at 4 per cent.	682	12	10				
,, depreciation at 6 per cent.	1,024	3	2				
Total ..	1,893	7	0	Total ..	1,893	7	0

Work done—137 tons of fuel moved over 2½ miles = 342½ ton miles.
Actual cost of work—342½ ton miles at Rs. 4-15-1 Rs. = 869-3-9.
Estimated cost of carting—342½ ton miles at annas 1-10 = Rs. 39-3-11.

Capital Account, 1890–91.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To balance from 1889–90	15,363	0	0	By depreciation at 6 per cent.	921	12	6
				,, interest at 4 per cent.	614	8	4
				,, balance	13,826	11	2
Total ..	15,363	0	0	Total ..	15,363	0	0

Revenue Account, 1890–91.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To working expenses	625	1	0	By balance written off	2,262	1	7
,, road-making, repairs, &c.	100	11	9				
,, interest at 4 per cent.	614	8	4				
,, depreciation	921	12	6				
Total ..	2,262	1	7	Total ..	2,262	1	7

Work done—1,820 tons of fuel moved 4½ miles = 8,190 ton miles.
Actual cost of work—8,190 ton miles at annas 4-5 = Rs. 2,262-1-7.
Estimated cost of carting—8,190 ton miles at annas 3-5 = Rs. 1,731.

Capital Account, 1891–92.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To balance from 1890–91	13,826	11	2	By depreciatian at 6 per cent. on capital cost of tramway	829	9	7
				By interest at 4 per cent.	553	1	1
				,, balance	12,444	0	6
Total ..	13,826	11	2	Total ..	13,826	11	2

Revenue Account, 1891–92.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To working expenses	444	6	5	By balance written off	1,827	1	1
,, interest at 4 per cent.	553	1	1				
,, depreciation	829	9	7				
Total ..	1,827	1	1	Tota ..	1,827	1	1

Work done—943 tons of fuel moved over 4½ miles = 4,243½ ton miles.
Actual cost of work—4,243½ ton miles at annas 3-5 = Rs. 1,827-1-1.
Estimated cost of carting—4,243½ ton miles at annas 3-8 = Rs. 1,414-6-4.

Capital Account, 1892–93 up to 30th June 1893.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To balance from 1891–92	12,444	0	6	By depreciation	876	1	11
Add cost of new materials	2,158	0	0	,, interest	584	1	3
				,, balance	13,141	13	4
Total ..	14,602	0	6	Total ..	14,602	0	6

Revenue Account, 1892–93 up to 30th June 1893.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To working expenses	1,058	1	9	By balance written off	2,518	4	11
,, interest at 4 per cent.	584	1	3				
,, depreciation	876	1	11				
Total ..	2,518	4	11	Total ..	2,518	4	11

Work done—2,764 tons of fuel moved 4½ miles = 12,438 ton miles.
Actual cost of work—12,438 ton miles at annas 3-3 = Rs. 2,518-4-11.
Estimated cost of carting—12,438 ton miles at annas 3-9 = Rs. 2,915-2-6.

North Arcot.

III.—Statement showing the results of the transport of casuarina fuel by tramway compared with the transport by carts in North Arcot.

Capital Account, 1892–93.

Dr.	Rs.	A.	P.	Cr.	Rs.	A.	P.
To balance from 1891–92	10,482	1	2	By interest at 4 per cent.	419	4	6
				,, depreciation at 6 per cent.	628	4	6
				,, balance	9,434	8	2
Total ..	10,482	1	2	Total ..	10,482	1	2

III.—Statement showing the results of transport of casuarina fuel by tramway, &c.—*cont.*

Revenue Account—1892-93.

	Dr.	Rs.	A.	P.		Cr.	Rs.	A.	P.
To working expenses		149	11	6	By balance written off		1,201	12	6
,, road making and repair		4	8	0					
,, interest		419	4	6					
,, depreciation		628	4	6					
Total ..		1,201	12	6	Total ..		1,201	12	6

Work done—844 tons of fuel moved 2½ miles = 2,110 ton miles.
Actual cost of work—2,110 ton miles at annas 9·11 = Rs. 1,201-12-6.
Estimated cost of carting—2,110 ton miles at annas 4·80 = Rs. 633.

IV.—Tramways.

South Coimbatore.

The plant consists of the following :—

Seven miles of portable railway suitable for animal power, system A, page 12, Fowler's Catalogue of Light Railways, No. 43, Part IV, with steel rails, steel corrugated sleepers and wrought steel chains riveted on full width of sleeper, 14 lbs. per yard, 2 feet gauge ; 5 crossings ; 1 portable turn-table, 3 feet diameter ; 1 weighing machine, 3½ feet square ; 36 waggons, type H. H. of the Catalogue ; 1 tool box ; 4 eccentric tongs ; 8 extras.

2 The following is the capital account and gain or loss account prepared in the form adopted by the Conservator of Forests, Southern Circle, last year :—

Capital Account.

Year.	Opening balance.	Debit 4 per cent. interest on opening balance.	Debit new capital.	Debit repairs and renewals.	Total of columns 2 to 5.	Credit 6 per cent. for depreciation on opening balance.	Closing balance.
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1888-89	..	..	56,885	..	56,885	..	56,885
1889-90	56,885	2,275	3,200	..	62,360	3,413	58,947
1890-91	58,947	2,357	2,131	176	63,611	3,536	60,075
1891-92	60,075	2,403	8,987	810	72,275	3,605	68,670
1892-93	68,670	2,747		210	71,627	4,120	67,507
Total ..	..	9,782	71,203	1,196	..	14,674	..

Gain or Loss Account.

Year.	Debit depreciation as per column 7.	Debit working expenses.	Total of columns 9 and 10.	Credit interest as per column 3.	Credit		Credit savings in former cart-road annual repairs.	Total of columns 12, 14 and 15.	Annual gain or loss on outturn compared with carts *plus* or *minus*.
					Cubic feet of timber removed as if by carts.	At 4 pies a cubic foot.			
	9	10	11	12	13	14	15	16	17
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1888-89 ..	..	..	..	..	..	..	..	..	..
1889-90 ..	3,413	1,019	4,432	2,275	18,353	382	1,200	3,857	— 575
1890-91 ..	3,536	3,483	7,019	2,357	56,102	1,168	1,200	4,725	— 2,294
1891-92 ..	3,605	1,840	5,445	2,403	30,378	632	1,200	4,235	— 1,210
1892-93 ..	4,120	2,418	6,538	2,747	40,204	837	1,200	4,784	— 1,754
Total ..	14,674	8,760	33,434	9,782	1,45,037	3,019	4,800	17,601	— 5,833

The account shows a loss of Rs. 5,833 for the four years, but as the Conservator observed last year, a much larger sum for depreciation has been debited against the working than has actually been needed for repairs and renewals.

8. Taking this into consideration there is a balance to our credit of Rs. 13,478 in the depreciation account (*i.e.*, difference of columns 5 and 7), it may therefore fairly be considered that the working has actually resulted in a profit of (Rs. 13,847—5,833), *i.e.*, Rs. 7,645.

APPENDIX I.

STATEMENT showing list of completed Forest buildings in the Madras Presidency with their approximate cost, &c., on 30th June 1893.

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					NORTHERN CIRCLE.		
Ganjám.	West Goomsur.	Rest-house ..	Russellkonda ..	Rs. A. P. 2,000 0 0	Rest-house with out-houses, the former (containing 4 rooms and 3 bath-rooms) of sun-dried bricks and thatch roof, the latter, sun-dried bricks and tiled roof.	Used by District Forest-officer and Range officers when on inspection.	Purchased.
	Do. ..	Do. ..	Mujaguda ..	248 3 8	Burnt bricks and thatch roof, 3 rooms 12 × 12 and 2 bath-rooms, out-houses of mud walls and thatch roof.	Do. do.	Built.
	Do. ..	Do. ..	Gullery ..	972 5 0	Thatch roof and mud walls, one room and one side room with 2 bath-rooms, out-houses, mud walls and thatch roof.	Do. do.	Do.
	Do. ..	Do. .	Rambha ..	449 2 4	One room 20 × 20, one 20 × 10 and two bath-rooms. Built of sâl planks and thatch roof, out-houses walled with sâl planks and thatch roof.	Do do.	Do.
	Do ..	Do. ..	Hattiguda ..	473 6 3	One room 20 × 20, one 20 × 10 and two bath-rooms. Built of sâl planks and thatch roof, out-houses, mud walls and thatch roof.	Do. do.	Do.
	Do. ..	Do. ..	Khariguda ..	257 3 6	Do. do do. ..	Do. do	Do.
	Do. ..	Do. ..	Baiballi ..	564 6 0	Do. do. do. ..	....	
	East Goomsur.	Do. ..	Gayagonda ..	751 15 10	Burnt bricks and thatch roof, 3 rooms 12 × 12 and 2 bath-rooms, out-houses of mud walls and thatch roof.	Used by District Forest-officer and Range officers when on inspection.	Built.
	Do. ..	Do. ..	Jagannathprasad	528 10 8	Do. do. do. ..	Do. do.	Do.
	Do. ..	Do. ..	Gundribadi .	549 4 11	One room 20 × 20, one 20 × 10 and 2 bath-rooms. Built of sâl planks and thatch roof, out-houses walled with sâl planks and thatch.	Do. do.	Do
	Do. ..	Do. ..	Tilisingi ..	738 13 10	One room 20 × 20, one 20 × 10 and 2 bath-rooms. Built of sâl planks and thatch roof, out-houses, mud walls and thatch.	Do. do.	Do.
	Do. ..	Do. ..	Tarsingi ..	571 6 11	Do. do. do. ..	....	
	Do. ..	Do. ..	Bonta ..	568 8 6	Do. do. do. ..	....	
	Do. ..	Do. ..	Chandragiri ..	895 6 4	On piles. Built of sâl planks and thatch roof, 2 rooms 20 × 20 and 2 bath-rooms, out-houses, mud wall and thatch roof.	....	
	Suradá ..	Do. ..	Osurabando ..	563 13 6	One room 20 × 20, one 20 × 10 and 2 bath-rooms. Built of sâl planks and thatch roof, out-houses, mud walls and thatch roof.	....	
	Buguda ..	Do. ..	Kurcholy ..	565 0 5	Do. do do. ..	....	
	Berhampore.	Do. ..	Berhampore ..	1,200 0 0	Rest-house sun-burnt bricks and thatch roof, 3 rooms and 2 bath-rooms, out-houses, mud walls and thatch.	Used by District Forest-officer and Range officers when on inspection.	Purchased.
	Do. ..	Office ..	Do. ..		Sun-burnt bricks and thatch roof, one room 20 × 20 and one side room.	Range office	Do
	Do. ..	Rest-house ..	Padara ..	125 0 0	One room 12 × 12, mud walls and thatch roof	Inspection house for Range officer.	Built
	Do. ..	Do. ..	Kukkarakhandi.	125 0 0	Do do. do. ..	....	Do.

Statement showing list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					NORTHERN CIRCLE—*cont.*		
				Rs. A. P.			
Vizagapatam.	Golgonda .	Depôt	Kondasantha ..	142 0 0	Two rooms 14′ × 14′ and 12′ × 12′. A covered shed 15½′ × 50′ and an open yard 15′ × 50′. Walls of mud. The sheds yard enclosed by wood and bamboo fence. Rooms and shed thatched. Erected November 1890.	As depôt and also by Range officer.	
	Palkonda ..	Inspection shed.	Donnabai Agency.	209 0 6	40′ × 36′. Erected on sâl posts, wattie and daub walls and thatched roof. Erected October 1891.	By Inspecting officers ..	Rs. 2–10–0 spent on repairs has been added to the original cost (Rs. 206–6–6).
	Do. ..	Permit gumastahs' houses (7).	Throughout the range.	175 0 0	Mud and thatch, two rooms. Erected in December 1871 ..	Permanently occupied by permit gumastahs.	
	Do. ..	Tannas (6) ..	Do. ..	90 0 0	Mud and thatch, one room. Erected in December 1871 ..	Permanently occupied by tannadars.	
	Do. ..	Inspection shed.	Jambada Agency.	239 0 4	40 × 36, unburnt brick in mud, thatched roof. Erected in April 1892.	By Inspecting officers ..	Rs. 50 of this was spent last year.
					Note.—Rs. 54 was spent on two bungalows at Geddakola and Chinagora in the Palkonda range.		
Gódávari	Bhadráchalam Subdivision.	Rest-house ..	Waddigudem ..	770 0 0	Thatched building raised on piles containing out-houses ..	Used by Range officers ..	The cost includes the value of the wood.
	Do. ..	Do. ..	Mormur ..	700 0 0	Do. do. do. ..	Used by Inspecting officers.	
	Do. ..	Do. ..	Chintur ..	700 0 0	Do. do. do. ..	Do. do.	
	Do. ..	Do. ..	Jiriguppa ..	700 0 0	Do. do. do. ..	Do. do.	
	Do. ..	Do. ..	Singavaram ..	700 0 0	Do. do. do. ..	Do. do.	
	Do. ..	Range house ..	Marrigudem ..	400 0 0	Built of bamboos, walls plastered with mud and covered with thatched.	Used by Range officers.	
	Do. ..	Revenue gumastah's shed.	Waddigudem ..	50 0 0	Do. do. do. ..	Used by Revenue gumastah.	
	Rajahmundry.	Do. ..	Kottapalli ..	20 0 0	Do. do. do. ..	Used by Permit gumastah.	
	Do. ..	Forest guards' shed.	Devancheruvu ..	46 0 0	Do. do. do. ..	Used by Forest guard.	
	Do. ..	Tanna shed .	Nagulcheruvu ..	10 0 0	Covered with palmyra leaves	Do. Tanna peon.	
	Do. ..	Do. ..	Gokavaram ..	12 0 0	Do. do.	Do. do.	
	Peddápuram.	Revenue gumastah shed.	Yeleswaram ..	20 0 0	Bamboo walls and thatched roof	Used by Permit gumasta.	
	Do. ..	Do. ..	Senkavaram ..	20 0 0	Do. do.	Do. do.	
	Do. ..	Forest guard's shed.	Ragavapuram ..	5 0 0	Thatched hut	Used by Ticket issuing gumastah.	
	Do. ..	Do. ..	Vatangi ..	5 0 0	Do.	Do. do.	
	Do. ..	Do. ..	Ankampalam ..	5 0 0	Do.	Do. do.	
	Do. ..	Tanna shed ..	Bhanavaram ..	10 0 0	Do.	Do. by Tanna peon.	
	Do. ..	Do. ..	Murari ..	10 0 0	Do.	Do. do.	
	Do. ..	Do. ..	Yeleswaram ..	10 0 0	Do.	Do. do.	
	Yernagúdem delta.	Revenue gumastah's shed.	Mulagalampalli.	28 0 0	Thatched house	Used by Permit gumasta.	
	Do. ..	Tanna shed ..	Mogultur .	20 0 0	Do.	Used by Tanna peon.	
	Do. ..	Garden shed ..	Narsápur ..	10 0 0	Do.	Used by gardener.	
	Do. ..	Do. ..	Bendamurlanka.	10 0 0	Do.	Do.	

Kistna.	Vinukonda range.	Rest-house ..	Remidicherla ..	1,680	0	0	Tiled house	By District Forest-officer and Range officers on tour of inspection. Also by other officers and private individuals on payment of rent to Government.	Rs 108 were sanctioned for certain repairs and Rs. 53-2-0 were spent for cutting 22 yepi posts in its connection. But the original estimate was revised and Rs 480 have been sanctioned to be spent in 1893-94. The posts cut at a cost of Rs 53-2-0 are proposed to be sold.
	Do. ..	Do. ..	Bollapalli ..	1,138	0	0		...	Built during the year 1892-93.
	Do. ..	Do ..	Mellavagu ..	..			....	..	Transferred from Public Works Department.
	Do. ..	Do. ..	Ravulapuram ..				....	...	Wanting slight repairs.
	Do. ..	Range office ..	Vinukonda ..				Thatched building	By District Forest-officer and Range officers on tour of inspection Also by other officers and private individuals on payment of rent to Government.	Do. do.
	Do. ..	Watcher's house.	Remidicherla ..	53	0	0	....	Watcher's residence.	
	Do. ..	Gardener's house.	Do. ..	57	0	0	....	Gardener's residence	
	Do. ..	Forest guard's house.	Birizepalli ..	62	0	0	....	Forest guard's residence.	
	Do. ..	Watcher's house.	Do. ..	51	0	0	....	Watcher's residence.	
	Bandar ..	Do. ..	Yelachetladibba.	25	0	0	....	Do ..	
	Do. ..	Do. ..	Nachugunta ..	25	0	0	....		
	Do ..	Do. ..	Tummalapalem	25	0	0	....		
	Do. ..	Forest guard's house.	Gullalabodu ..	24	0	0	....	Forest guard's residence	Fell down
	Do. ..	Do. ..	Wupakali ..	24	0	0	....		
	Do. ..	Do. ..	Lakshmipuram..	25	0	0	....		
	Do. ..	Tanna station ..	Pedapalem ..	24	0	0	....	Office of the license issuing gumastah.	
	Do. ..	Gardener's house	Gopuvanipalem..	25	0	0	....		One fell down.
	Do. ..	Two do. .	Weld plantation.	50	0	0	....	Used by gardeners .	Rs. 8-0-4 were spent in repairs during 1892-93.
	Do. ..	One do. ..	Allinagaram ..	5	0	0	....		In good order.
	Do. ..	Rest-house ..	Do. ..	35	0	0	....	Forester's rest-house and office on tour	Rs. 8-1-0 were spent during 1892-93. In good order.
	Bapatla ..	Forest guard's house.	Kothapalem ..	30	0	0	....	Forest guard's residence.	
	Do. ..	Tanna	Do. ..	30	0	0	....	Tanna office	
	Do. ..	Store-house .	Do. .	30	0	0	....	Forester's rest-house and office.	
	Do. ..	Forest guard's house.	Lankavanidibba.	35	0	0	....	Forest guard's residence.	
	Do. ..	Watcher's house.	Do. ..	35	0	0	....	Watcher's residence.	In good order.
	Do. ..	Tanna	Do. ..	35	0	0	....	Tanna office	
	Do. ..	Store-house ..	Do. ..	35	0	0	....	Forester's office and rest-house on tour.	
	Do. ..	Forest guard's house.	Perali	45	0	0	....	Watcher's residence . .	
	Do. ..	Tanna	Waderevu ..	3	0	0	....	Forester's office and rest-house on tour.	

Statement showing list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					NORTHERN CIRCLE—*cont.*		
Kistna—*cont.*	Sattenapalle range.	Rest-house ..	Bellamkonda ..	Rs. A. P. 2,000 0 0	....	By District Forest-officers on tour of inspection.	Rs. 5-14-0 were spent for petty repairs during 1892-93. In good order.
	Do. ..	Forest guard's house.	Venkatayapalem.	36 0 0	....	Forest guard's residence .	
	Do. ..	Do. ..	Turikepalli ..	35 0 0	....		
	Do. ..	Do. ..	Papayapalem *..	40 0 0	....		*Rs. 2-10-0 were spent for petty repairs during 1892-93. In good order.
	Do. ..	Do. ..	Mannesullan-palem. †	40 0 0	....		† Do. do.
	Do. ..	Tanna	Yemmajigudem.	40 0 0	....	Forester's office and rest-house on tour.	Rs. 5-6-0 were spent for petty repairs during 1892-93. In good order.
	Guntúr range.	Rest-house ..	Kondavid hill ..	1,000 0 0	....	By District Forest-officers on tour of inspection.	In repair.
	Do. ..	Guard's house ..	Do. ..	50 0 0	....	Guard's residence	Do.
	Do. ..	Tanna	Guntúr ..	6 0 0	....	Tanna office	Fell down.
	Do. ..	Two tannas ..	Kondavid reserve.	Written off stock under Conservator's No. 1700-A of 2nd February 1893.			
	Bezvada range.	Rest-house ..	Kondapalli hill..	1,000 0 0	....	By District Forest officer on tour of inspection.	In repair.
	Do. ..	Do. ..	Vellatur ..	....	....	Forester's rest-house on tour.	Transferred from Public Works Department. Wanting slight repairs.
	Do. ..	Tanna	Kondapalli ..	25 0 0	....	Tanna office	Do. do.
	Do. ..	Forest guard's house.	Kondur ..	40 0 0	....	Forest guard's residence ..	Do. do.
	Do. ..	Gardener's house.	Bezvada garden	3 0 0	....	Gardener's shed	Do. do.
	Do. ..	Four store sheds.	Kondapalli hill..	26 0 0	....	For shelter to coolies and keeping tools.	Spent during 1892-93.
	Do. ..	Inspection shed.	Gavaravaram ..	..	....	Old Police station used for Foresters on tour of inspection.	*Vide* Government Order, No 1455 W., Public Works, dated 1st June 1893.
	Palnád range	Watcher's house.	Davupalli ..	18 0 0	....	Watcher's rest-house	
	Muchukota.	Head-quarter's bungalow and out-houses.	Anantapur	6,000 0 0 991 0 0	Two stoned tiled building with 4 rooms, 2 dressing rooms and bath-rooms, store-rooms, servants' quarters and stables.	Residence of District Forest-officer.	
	Dharmavaram.	Bungalow ..	Golla	1,500 0 0	Two rooms with bath-rooms, arched roof	Inspection bungalow.	
		Range office and residence.	Dharmavaram ..	470 0 0	One large and 3 small rooms, flat roof	Range officer's residence and office.	
	Gooty ..	Bungalow ..	Páthakottacheru.	1,500 0 0	One large, 1 small room, 2 bath-rooms, tiled roof; 2 rooms flat-roof.	Inspection bungalow ..	Transferred from Local Fund Department—*vide* G.O., No. 263-L, dated 17th March 1891
Anantapur.	Penukonda.	Range office ..	Bukkapatnam ..	492 0 0	Two rooms, flat-roof	Range office.	
		Rest-house ..	Konappanayanipalli.	800 0 0	Two rooms and bath-room, tiled roof	Inspection bungalow.	
		Do. ..	Penukonda hill.	500 0 0	Two rooms and 2 small rooms in buttresses of the old fort; large rooms have thatched roof.	Do.	
	..	Two Forest guard's sheds.	....	40 0 0	....	....	

	Kalyandrug	One Forest guard's shed.	....	73	0	0	....	....	
	Nyalakota..	Do. ..	....	70	0	0	....	....	
	Muchukota.	Do. ..	....	80	0	0	....	....	
	Bukkapatnam.	One Tannah hut.	....	60	0	0	....	....	
Bellary..	Sandúr ..	Range-house ..	Sandúr	1,326	9	9	Flat soudu-roof with out-houses. It contains 5 rooms and a verandah.	Used by the Range officer.	
	Do. ..	Tool-shed ..	Do.	40	0	0	Flat soudu-roof	Used for keeping the tools of the Range officer	Now collapsed.
	Do. ..	Rest-house at Donimalai.	On the top of Donimalai.	672	4	0	Thatched building with a big room and 2 bath-rooms and a verandah on three sides	Rarely used by officers as there is no water near.	
	Bellary ..	Tanna-shed, Kuditini.	Kuditini ..	13	0	0	Thatched building	Used as a Forest tanna.	
							Former Head-quarter's Bungalow.		
Kurnool.	Nandyal ..	Nandyal bungalow.	Nandyal ..	10,000	0	0	Consists of two stories; the lower terraced and planked and the upper tiled. The lower story consists of two main rooms of 14½′ × 14′ and two side rooms of 14′ × 6½′. The upper one contains 2 main rooms of 15′ × 14½′ and a side room 8¼′ × 7′, has also an out-house and a stable attached.	Used by District Forest-officer as an inspection house.	
							Rest or Inspection houses.		
	Nandyal ..	Rest-house ..	Paniem ..	750	0	0	Terraced Consists of two main rooms of 18½′ × 16′ and two side rooms of 16′ ×10′ divided into compartments. Has also an out-houses and a stable.	Used by superior Forest-officers on inspection duty.	
	Do. ..	Do. ..	Gazulapalle ..	500	0	0	Terraced. Consists of one main room of 18½′ × 16′ and two side rooms of 36′ × 10′, of which one is divided into three compartments. Has also an out-house and a stable house with thatch roofing.	Do. do.	
	Do. ..	Do ..	Chelema ..	600	0	0	Terraced and the middle or raised roof covered with corrugated iron. Has also a mud terraced out-house and a thatched stable house.	Do. do.	
	Do. ..	Do ..	Baswapur .	1,500	0	0	Terraced. Consists of two main rooms 18½′ × 16′ and two side rooms of 36′ × 10′ each divided into three compartments. Has also a thatched out-house.	Do. do.	
	Nandikotkur	Do. ..	Bairnuti ..	1,175	0	0	Masonry building (stone and mortar) flat pucca roof covered with gabled thatched roof. Consists of one room 30′ × 16′. A wooden partition screens off a small space for a bath room. Has also two thatched out-houses with bamboo hurdle walls.	Do. do.	
	Do. ..	Do. ..	Rollapenta	1,200	0	0	Same as the building at Bairnuti, except that the flooring is of stone.	Do. do.	
	Cumbum ..	Do. ..	Adutla ..	350	0	0	....	Do. do.	
	Markapur ..	Do. ..	Mantrala ..	650	0	0	Thatched building consisting of one main room 16 square, one bath-room 8¼′ × 7½′, and two verandahs, front and rear, 19′ × 9½′ and 9½′ × 8¾ respectively.	Do. do.	
	Cumbum ..	Do. ..	Giddalur ..	100	0	0	Thatched building	Do. do.	
	Do. ..	Do. ..	Paininipalle ..	690	0	0	Masonry building consisting of one main room 16′ × 14′ and a bath-room 8′ square with a verandah all round.	Do. do.	
							Range Offices.		
	Markapur ..	Range office building.	Dornal ..	250	0	0	Thatched building with mud walls all round	Range officer's office building.	
	Nandikotkur	Do. ..	Atmakur ..	200	0	0	. ..	Do. do.	

Statement showing list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					NORTHERN CIRCLE—*cont.*		
					Range Rest-houses.		
				Rs A. P.			
Kurnool —*cont.*	Nandikotkur	Range Rest-house	Karredulagundam.	70 0 0	Thatched bamboo hurdle shed, consists of one room 42′ × 18′, three chenchu huts attached as out-houses.		
	Do. ..	Do. ..	Rudrakodu ..	125 0 0	Do do. do. ..		
	Do. ..	Do. ..	Buggapenta ..	125 0 0	Do. do. do. ..		
	Do. ..	Do. ..	Pecheruvu ..	125 0 0	Thatched bamboo hurdle shed consisting of one room ..		
	Do. ..	Do. .	Gundlabrahmeswaram.	30 0 0	....	Used by Range officer when on inspection.	
	Nandyal ..	Do. ..	Mallalamma ..	150 0 0	Thatched shed of 36′ × 22′ enclosed by tatty walls ..		
	Markapur ..	Do. ..	Chintal ..	100 0 0	Thatched building 31′ × 18′		
	Do. ..	Do. ..	Chennepalle ..	100 0 0	Do. do.		
	Do. ..	Do. ..	Mantrala ..	140 0 0	Do. with bamboo tatty walls		
	Sirvel ..	Do. ..	Ullada ..	50 0 0	....		
					Forest Guards' and Tannadars' Huts.		
	Markapur ..	Forest Guards' hut.	Bommalapur ..	240 0 0	Thatched building consisting of three rooms, one 34′ × 8½′ and the other two 16¼′ × 8½′ each.	Occupied by the Forest Guard and Tannadar.	
	Nandyal ..	Tannadar's hut	Bukkapur ..	55 0 0			
	Do. ..	Do. ..	Baswapur ..	55 0 0			
	Do. ..	Do. ..	Singaveram	55 0 0	Thatched building 27′ × 18′ with bamboo tatty walls ..	Used by the Tannadars.	
	Do. ..	Do ..	Narayanapuram.	55 0 0			
	Nandikotkur	Do. ..	Velgode ..	45 0 0			
	Do. ..	Do. ..	Siddepalle .	45 0 0			
	Do. ..	Do. ..	Banumukula ..	33 0 0			
	Do. ..	Do. ..	Guvvulakunta ..	23 0 0			
	Do. ..	Do. .	Bairnuti .	23 0 0			
	Do. ..	Do. ..	Venkatapuram ..	40 0 0			
	Do. ..	Do. ..	Ramapuram ..	18 0 0			
	Do. ..	Do. ..	Musalimadugu ..	16 0 0			
	Do. ..	Do. ..	Niddimamidi ..	9 0 0			
	Do. ..	Do. .	Yerrakonda .	13 0 0			
	Nandyal ..	Do .	Torwamitta ..	18 0 0			
	Do. ..	Do. ..	Mallalamma ..	13 0 0			
	Sirvel ..	Do .	Bandlagadda ..	45 0 0	Thatched bamboo hurdle shed	Do. do.	
	Do. ..	Do ..	Galeru ..	33 0 0			
	Do. ..	Do. .	Leoddi ..	13 0 0			
	Do. ..	Do. ..	Cuddapah Frontier.	9 0 0			
	Cumbum ..	Do .	Bodi Torwa	9 0 0			
	Do. ..	Do. ..	Digomitta ..	9 0 0			
	Do. ..	Do. ..	Pullalacheruvu.	9 0 0			
	Do. ..	Do. ..	Akavid ..	13 0 0			
	Do. ..	Do ..	Velagalapaya ..	15 0 0			
	Do. ..	Do. ..	Papinenipalle ..	13 0 0			
	Do. ..	Do. ..	Gundlamotu ..	13 0 0			
	Markapur ..	Do. ..	Chintal ..	13 0 0			
	Do. ..	Do. ..	Chennepalle ..	13 0 0			

Nellore ..	..	Udayagiri bungalow.	Udayagiri ..	Not given ..			....	....
		Office building ..	Sriharikot ..	Do.		...	....	....
		Store shed ..	Do. ..	890	0	0	...	....
Cuddapah	Kódúr ..	Inspection bungalow.	Kódúr .	3,000	0	0	Tiled roof with brick in chunam walls; tiled out-houses, 2 rooms 18 × 20, 2 dressing and 2 bath rooms, 2 verandahs.	Used by Superior officers on inspection duty.
		Rest-house ..	Balapalle ..	400	0	0	Thatched building with thatched out-houses; 1 room 20 × 20, 1 bath and 1 store room and 2 verandahs; walls stone in mud.	Used by Superior and Range officers on inspection duty.
		Inspection bungalow.	Do. ..	1,125	0	0	Tiled roof with stone in chunam walls, 2 rooms about 14 × 16, 2 bath-rooms; verandah on all sides.	Used by Superior officers on inspection duty.
		Rest-house .	Magilipenta ..	800	0	0	Tin-roofed building with thatched out-houses and stone in chunam walls; 1 room 12 × 12, 1 room 12 × 9, 2 bath-rooms 4 × 4.	Used by Superior and Range officers on inspection duty.
	Sidhout ..	Inspection bungalow.	Vontimitta ..	1,400	0	0	Tiled building with tiled out-houses with brick in chunam walls; 2 rooms 18 × 20, 2 bath-rooms and 2 verandahs.	Used by Superior officers on inspection duty.
		Rest-house ..	Lankamalais ..	945	0	0	Tiled roof, walls stone in mud; 1 room 15 × 13, 2 bath-rooms, front and back verandah, out-houses tiled, stone in mud, 2 rooms and 3 stalls.	Do. do.
	Madanapalle.	Inspection bungalow.	Horsleykonda ..	3,300	0	0	Tiled building with tiled out-houses with brick and stone in chunam walls; 3 rooms 20 × 20, 2 dressing, 5 bath, 1 matie and 1 store room.	Do. do.
	Ráyachóti	Do. ..	Sampaya ..	1,700	0	0	Thatched building with thatched out-houses and brick in mud walls; 2 rooms 16 × 12, 2 bath-rooms and 2 verandahs.	Do. do.
		Rest-house ..	Kortimadugu ..	900	0	0	Tiled roof; walls stone in mud; 1 room 15 × 13; 1 room 14 × 7, 2 bath-rooms, front and back verandah; out-houses tiled stone in mud, 2 rooms and 3 stalls.	Do. do.
	Vayalpad ..	Inspection bungalow.	Pilér	200	0	0	Thatched building, walls brick in mud; 2 rooms about 15 × 12 each, 2 bath-rooms, 1 front verandah, out-houses flat-roofed, 2 small rooms.	Do. do.
	Kódúr ..	Range house ..	Kódúr	1,200	0	0	Tiled roof with tiled out-house and brick in chunam and mud walls; 3 rooms 13½ × 12, 1 bath-room 13½ × 6 and verandah on 3 sides.	Extra Assistant Conservator's residence.
	Rázampét ..	Do. ..	Rázampét ..	350	0	0	Tiled roof with thatched out-houses and brick in mud walls; 1 room 12 × 10, 1 room 10 × 8, 3 small rooms 6 × 10 each.	Range officer's residence.
	Sidhout ..	Do. ..	Sídhout ..	500	0	0	Do. do. do. ..	Do. do.
	Badvel ..	Do. ..	Badvel ..	800	0	0	Do. do. do. ..	Do. do.
	Ráyachóti ..	Do. .	Ráyachóti ..	400	0	0	Do. do. but no out-houses ..	Do. do.
	Kódúr ..	Office building ..	Kódúr	130	0	0	Tiled building, 18 × 10, with stone in mud walls ..	Extra Assistant Conservator's and Kódúr Range office.
	Sidhout ..	Depôt house ..	Vontimitta ..	250	0	0	Terraced building with stone in mud walls; 1 room 17 × 10 and 1 yard 30 × 17.	Storing minor forest produce and timber.
	Ráyachóti.	Do. ..	Kurappalle ..	180	0	0	Terraced roof with stone in mud walls; 1 room 17 × 20 and 1 yard 30 × 17.	Do. do.
		Do. ..	Polisettivandlapalle.	16	0	0	Thatched roof with stone in mud walls; 1 room 12 × 12.	Do. do.
	Kódúr ..	Tannah house ..	Kódúr	100	0	0	Tiled roof with stone in mud walls	Tannadar's residence and store-room for perishable produce.

Statement showing list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
				Rs. A. P.			
Central Circle.							
Cuddapah —*cont.*	Kódúr, Sidhout, Badvel and Cuddapah.	Forest inspection sheds.	In ten places ..	254 0 0	Thatched roofs with stone in mud walls; generally 1 room 12 × 12 and bath-room.	Used by Superior and Range officers on inspection duty.	
	All ranges.	Forest guards' and tannadars' huts.	In sixty-five places.	814 0 0	Thatched roof with mud walls; generally 1 room 12 × 12 and verandah.	Guards' residence and tannadars' docketing stations.	
	Kódúr, Badvél and Cuddapah	Huts and sheds in topes.	In six places ..	83 0 0	Thatched roofs with mud walls; generally 1 room 12 × 12 and verandah.	Used by Superior and Range officers on inspection duty.	
	Kódúr .	Depôt peons' huts.	In three places..	45 0 0	Do. do. do. ..	Depôt peon's residence.	
Chingleput.	Chingleput.	1. Chingleput ..	Forest Department.	..	Two rooms divided by an arch and another small room separated by a court-yard from the main building. Out-house used as a kitchen. This building is used as an office and is not available for travellers.	A charge of 8 annas a day or a portion of a day of 24 hours is made for all save those which are used as Range offices in which no accommodation can be had. Nos. 1 to 6 are tiled and No. 7 thatched.	Food cannot be had.
	Do. ..	2. Nellikuppam.			One room 12 × 10 / One room 8 × 10 } main buildings, not furnished.		
	Tiruvallúr..	3. Periakuppam			One kitchen and 2 godowns.		
	Do. ..	4. Nagalapuram.			Two small rooms not furnished.		
	Do. ..	5. Sattiyavedu.			Two small rooms. Out-houses consist of a kitchen and stable for one horse, unfurnished; kitchen and stable for one horse used as an office; kitchen and stable for one horse, not furnished; 2 small rooms. Out-houses consist of a kitchen and stabling for one horse.		
	Do. ..	6. Varadiapalayam.					
	Do. ..	7. Kambakkam hill.					
	Chittoor ..	Rest-house ..	Paradarami ..	250 0 0	Thatched roof 26′ × 16′	Used by Forest-officers.	
	Do. ..	Bungalow .	Nangamangalam.	500 0 0	Do. 27′ × 30′	Do.	
	Do. ..	Range office ..	Chittoor ..	68 0 0	Tiled roof 21′ × 21′	Used for Range office ..	Given over by Public Works Department.
	Chandragiri.	Rest-house ..	Panapakam ..	100 0 0	Thatched roof 31′ × 30′	Used by Forest-officers.	
	Do. ..	Inspection hut ..	Napier hut ..	20 0 0	Do. 12′ × 12′	Do.	
	Do. ..	Rest-house ..	Nagapatla ..	336 0 0	Do. 50′ × 33′	Do.	
	Do. ..	Do. ..	Mamandur ..	330 0 0	Do. 31′ × 31′	Do.	
	Do. ..	Big bungalow ..	Panapakam ..	437 0 0	Do. 50′ × 33′	Do.	
	Do. ..	Range office ..	Chandragiri ..	1,300 0 0	Tiled roof 28′ × 21′	Used for Range office.	
	Do. ..	Inspection hut..	Tirupati hill ..	20 0 0	Thatched roof 12′ × 12′	Used by Forest-officers.	
	Do. ..	Do. ..	Mavidimanu chellama.	50 0 0	Thatched roof	Do.	
	Palmanér ..	Bungalow ..	Naickaneri ..	255 0 0	Tiled roof 40′ × 34′	Do.	Given over by District Board
	Do. ..	Do ..	Palmanér ..	1,000 0 0	Do 53′ × 33′	Used for Rangers' quarters and office.	
	Do. ..	Rest-house ..	Do. ..	200 0 0	Thatched roof 40′ × 20′	Used by Forest-officers.	
	Do. ..	Do. ..	Peddur ..	205 0 0	Do. 35′ × 24′	Do.	
	Do. ..	Do. ..	Nellipatla ..	100 0 0	Do. 24′ × 24′	Do.	
	Do. ..	Bungalow ..	Mordana ..	1,315 0 0	Tiled roof	Do.	

North Arcot.	Gudiyáttam.	Rest-house ..	Sainagunta ..	150 0 0	Thatched roo 18′ × 25′	Do. do.			
	Do. ..	Do. ..	Ammandi ..	90 0 0	Do 17′ × 12′	Do. do.			
	Do. ..	Do. ..	Tiruvallam block No. 3.	76 0 0	Do. 33′ × 33′	Do. do.			
	Do. ..	Do. ..	Virinjipuram, block No. 4.	190 0 0	Do. 34′ × 34′	Do. do.			
	Do ..	Do. ..	Virinjipuram, block No. 3.	28 0 0	Do. 29′ × 25′	Used for Foresters' quarters.			
	Vellore ..	Do. ..	Naickanery ..	40 0 0	Do. 24′ × 24′	Used by Forest-officers.			
	Do. ..	Do. ..	Ambur ..	180 0 0	Tiled roof 35′ × 33′	Do.			
	Do. ..	Do. ..	Odugathur ..	655 0 0	Do.	Do.			
	Do. ..	Bungalow ..	Kailasagiri ..	819 0 0	Do.	Do.			
	Póluru ..	Big bungalow ..	Amerdi ..	650 0 0	Thatched roof 51′ × 31′	Used by District Forest-officer			
	Do. ..	Small do. ..	Do. ..		30′ × 30′	Used by Range officer.			
	Do. ..	Bungalow ..	Mandaparai ..	1,556 0 0	Tiled roof 63′ × 22′	Used by District Forest-officer.			
	Do. ..	Big bungalow ..	Patrakad ..	377 0 0	Thatched roof 52′ × 30′	Do. do.			
	Do. ..	Small do. ..	Do. ..		29′ × 29′	Used by Range officer.			
	Do. ..	Big do. ..	Karnaticghur ..	542 0 0	Do. 48′ × 27′	Used by District Forest-officer.			
	Do. ..	Small do. ..	Do. ..		32′ × 27′	Used by Range officer.			
	Do. ..	Big do. ..	Bagmarpet ..	704 0 0	Do. 70′ × 38′	Used by DistrictForest-officer.			
	Do. ..	Small do. ..	Do. ..		36′ × 21′	Used by Range officer.			
	Do. ..	Tannah house ..	Attimur ..	104 0 0	Do. 42′ × 27′	Used by Forest-officers.			
	Do. ..	Do. ..	Attuvambadi ..	156 0 0	Do. 42′ × 27′	Do.			
	Do. ..	Rest-house ..	Santavasal ..	50 0 0	Do. 42′ × 27′	Do.			
	Do. ..	Bungalow ..	Gangavaram ..	947 0 0	Tiled roof	Do.			
	Do ..	Stable ..	Santavasal ..	18 0 0	Thatched roof	Do.			
	Do. ..	Bungalow ..	Mulacad ..	268 0 0	Do .. .. —	Do.			
	Do. ..	Kitchen ..	Karnaticghur ..	22 0 0	Do.	Do.			
	Arcot ..	Bungalow ..	Kilrinnel ..	434 0 0	Thatched roof 58′ × 35′	Do.			
	Walajah ..	Rest-house ..	Arkonam ..	529 0 0	Do. 16′ × 16′	Do.			
	Do. ..	Do. ..	Banavaram ..	510 0 0	Do. 16′ × 16′	Do.			
	Do. ..	Do. ..	Ranipet ..	205 0 0	Tiled roof 70′ × 30′	Used for Range office .	Given over by Public Works Department.		
	Do. ..	Stable ..	Banavaram ..	37 0 0	Thatched roof	Used by Forest officers.			
	Wandiwash.	Bungalow ..	Nedungunam ..	428 0 0	Tiled roof	Do.			
	Do. ..	Stable	Do. ..	50 0 0	Do.	Do.			
	Tiruvannámalai.	Range office ..	Tiruvannámalai.	* 500 0 0	Tiled building with verandahs on three sides; walls brick in chunam. Its extent is 58¼′ × 35′; has 5 rooms with a kitchen and stable both thatched— 2 rooms measuring 16′ × 14′ each. 1 room ,, 18½′ × 7′. 2 rooms ,, 14½′ × 7 each. Kitchen ,, 26′ × 12½′ Stable ,, 38½′ × 13½′	Used as Forest Range office and Sub-division Forest office	* Excludes sums spent on petty repairs. Not available for occupation by officers of other departments and private individuals.		
	Do. ..	Tanna	Do. ..	30 0 0	Tiled building with mud walls, 27½′ × 22½′; has 2 verandahs 27½′ × 5½′ each and room 10′ × 10′.	Used as a Permit Recovering office.			
South Arcot.	Do. ..	Rest-house ..	At foot of Kavuttumalai hills.	1,166 0 0	Tiled building with brick in chunam walls for the outer walls and in mud for the inner walls. Its extent is 28½ × 25½. It has 3 rooms, 2 measuring 12¾ × 9½; 1 measuring 12′ × 6; 2 verandahs, 1 measuring 25′ × 6′ and 1 measuring 13′ × 6′.	Used by Forest-officers when on inspection duty.	The building was burnt.		
	Do. ..	Depôt	Tukkapet (Chengam).	555 0 0	Tiled building with brick in chunam walls. Verandahs on 3 sides; has 4 rooms; extent 47½′ × 31½′— 2 large rooms measure 14′ × 8′ each. 1 large verandah measures 47½′ × 7¼′. 2 small verandahs measure 10½ × 7¼ each. 1 thatched stable measures 13′ × 13′. 1 thatched kitchen measures 12½′ × 12½′.	Do. do. ..	Do. do.		

A detailed list of completed Forest buildings in the South Arcot district with their approximate cost, &c.—*cont.*

CENTRAL CIRCLE—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
South Arcot —*cont.*	Tiruvannámalai.	Rest-house ..	Thenmalai ..	Rs. A. P. 1,697 0 0	Tiled building with brick in chunam walls. Extent 52′ 5″ × 34′ 4″. Has verandahs on three sides and 5 rooms, one stable and a kitchen with mud wall. 2 rooms measure 17′ 11″ × 17′ 4″ each 3 do. do. 18′ 6″ × 8′ 4″ each. 1 verandah measures 52′ 5″ × 8′ 4″ 2 verandahs measure 26′ × 8′ 4″ 1 kitchen measures 50′ × 10′ 1 stable do. 13′ × 5′	Used by Forest-officers when on inspection duty.	Available for use of officers of other departments.
	Tindivanam.	Inspection shed.	Shanikulam ..	511 0 0	Tiled building with brick walls and with verandahs on two sides. Extent .. { 27½′ × 17¼′ / 20¼′ × 15¾′ } has 3 rooms. One kitchen thatched 47½′ × 12½′.	Do. do. ..	Do. do.
	Do. ..	Rest-house ..	Do ..	300 0 0	Tiled building with brick walls and with verandahs on four sides and 4 rooms. Its extent is 47½′ × 27½′. 1 Front verandah 47½′ × 6′. 1 rear do. 22½′ × 6′. 2 side verandahs 12½′ × 6′ each. 1 thatched kitchen 33′ × 14′.	Permanently occupied as Forest Range office.	Not available for use of officers of other departments.
	Do. ..	Depôt	Tindivanam ..	50 0 0	Tiled building with mud walls and with one room; extent 30′ × 11′. 1 verandah 9′ × 6′.	Used as depôt whenever necessary.	Not fit to be used as a rest-house.
	Do. ..	Police bungalow.	Do. ..	Not known	Tiled building with brick walls; has 3 large rooms and bathrooms with 2 verandahs and a pucka tiled kitchen. Extent 73′ × 30½′. Front verandah measures 73′ × 6′. Rear do. do. 53′ × 6′. Kitchen do. do. 28½′ × 16½′.	Not used by the Forest Department. At present lent to Salt Department for temporary occupation.	In need of great repairs. Not fit for permanent occupation. Handed over to forests by the Public Works Department.
	Villupuram.	Old Court-house.	Villupuram ..	Do. ..	Tiled building with brick in chunam walls and verandahs on three sides; has 3 rooms; extent about 1,200 square feet.	Presently used as Forest Range office.	Not available for use of officers of other departments. The building is under repair.
	Tirukkóyilúr.	Range office ..	Tirukkóyilúr ..	..	Tiled building with walls brick in chunam. Its extent is 32′ × 32′; has 2 main and 2 rear rooms; one verandah in front 32′ × 6′.	Permanently occupied as range office.	Not available for use by officers of other departments.
	Kallakurchi.	Do. ..	Kallakurchi ..	1,327 0 0	Tiled building with brick in chunam walls with 3 verandahs and 2 rooms; extent is 1,200 square feet. Front verandah measures 43′ 8″ × 7′ 6″. 2 side verandahs 33′ × 7′ 6″ each.	Do. do. ..	Do. do.
	Do. ..	Rest-house ..	Kalpadi ..	450 0 0	Tiled building with brick in mud walls with 2 rooms. Its extent is 32′ × 13′.	To be used as a rest-house by Forest officers when on inspection duty.	Available for officers of other departments.
Tanjore.	Northern range.	Residence and Range office.	Tirumalaivasal..	292 0 0	Thatched building containing 6 rooms	As the Ranger's quarters and his office.	

Trichinopoly.	Kulitalai ..	Rest-house ..	Elamanur ..	*			Thatched building, 2 rooms and out-houses	Used by Inspecting officers ..	Value not known.
	Do. ..	Do. ..	Pudupalaiyam ..	1,000	0	0	Tiled building, 8 rooms and out-houses	....	Transferred from Local Fund Department.
	Do. ..	Do. ..	Kalpatti ..	150	0	0	Tiled building, 3 rooms and out-houses	. ..	
	Do. ..	Do. ..	Lalapet ..	80	0	0	Thatched, 2 rooms and out-houses	....	
	Do. ..	Do. ..	Kattalai ..	80	0	0	Do. do.	....	
	Musiri ..	Rest-house on the Pachamalai.	Singathipatti ..	477	0	0	...	....	
	Udayárpálaiyam.	Tanna ..	Ponparappi ..	15	0	0	....	....	
	Do. ..	Do. ..	Thavadanallur ..	* 15	0	0	....	....	
	Do. ..	Do. ..	Kundaveli ..	* 15	0	0	....	....	* Written off.
	Do. ..	Do. ..	Lower anicut ..	15	0	0	....	....	
	Do. ..	Do. ..	Madanathur ..	15	0	0	....	....	
	Do. ..	Do. ..	Tirumanur ..	* 15	0	0	....	....	
	Do. ..	Do. ..	Kilapalur ..	* 15	0	0	....	....	* Do.
	Do. ..	Range office ..	Jayankondacholapuram.	230	0	0	Tiled building, 2 rooms and out-houses	....	
Salem ..	Salem East Range.	Salem East Range office, including sandalwood godown.	Salem . ..	2,982	2	0	Tiled roof with brick walls 59′ 6″ × 36′ 6″ ; 53′ 6″ × 29′ 7″ ; 70′ × 3′.	Salem East and West Range officers.	
	Do. ..	Hasthampatti forest bungalow with out-house.	Hasthampatti ..	45	3	6	Tiled roof with brick walls 55′ × 38′ 3″ and 12′ × 18′ ; 36′ × 25′ 6″.	Dwelling-house rented.	
	Do. ..	Tanna shed on the Shevaroys.	On the Shevaroy Hills at Yercaud.	..			Tiled 20′ 3″ × 15′ 9″	Dwelling-house.	
	Do. ..	Tannah shed in Kurambapatti.	Gollapatti road.	107	15	0	Thatched 13′ 6″ × 10′ 6″	Tanna station.	
	Salem West Range.	Mullapuram bungalow.	Near Mullapuram station.	Not known.			Tiled roof with brick walls, length 23½ yards, breadth 11½ yards.	Forest rest-house.	
	Atúr Range.	Atúr Forest Range office.	Atúr . ..	404	12	6	Tiled roof with brick walls east to west 44 feet and north to south 25½ feet.	Forest Range office.	
	Do. ..	Atúr Shandy Tope building.	Shandy Tope, Atúr.	Not known.			Tiled east to west 4½ feet and north to south 20½ feet ..	Not used.	
	Námakkal Range.	Námakkal Forest Range office.	Námakkal ..	Do.			Tiled 30′ × 27′	Forest Range office.	
	Do. ..	Námakkal outhouse.	Do ..	Do.			Thatched 27′ × 18′	Godown, kitchen and stable.	
	Do. ..	Puliamsolai watchers' hut.	Puliamsolai ..	46	2	4	Do. 22′ × 16′	Watchers' hut.	
	Do. ..	Karavallikombai hut.	Karavallikombai.	46	2	4	Do. 22′ × 16′	Do.	
	Do. ..	Valappur forest hut.	Valappur ..	31	2	4	Do. 30′ × 21′	Used for camp.	
	Do. ..	Saithoopola forest hut.	Saithoopola ..	10	0	0	Do. 30′ × 24′	Do.	
	Do. ..	Puttúr forest hut.	Puttúr ..	10	0	0	Do. 27′ × 21′	Do.	
	Do. ..	Pudursolapatti forest hut.	Pudursolappatti.	10	0	0	Do. 21′ × 15′	Do.	
	Uttankarai Range.	Harur Forest Range office.	Harur	Not known.			Tiled 26′ × 21′	Forest Range office.	
	Do. .	Arbuthnot Tope shed.	Do.	Do.			Do 35′ × 22′	Not used.	

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
				CENTRAL CIRCLE—*cont.*			
				Rs. A. P.			
Salem—*cont.*	Uttankarai range.	Atkinson tope shed.	Harur	Not known.	Tiled 25′ × 10′	Not used	
	Do. ..	Thirthamalai tope shed.	Thirthamalai ..	Do.	Do. 35′ × 22′	Do	
	Do. ..	Chitteri rest-house.	On the Chitteri Hills.	150 8 0	Thatched 27′ × 21′	Rest-house.	
	Tiruppattúr range.	Tiruppattúr Forest Range office.	Tiruppattúr ..	1,382 0 0	Tiled 40′ × 38′	Forest Range office.	
	Do. ..	Alangayam tannah.	Alangayam .	25 6 0	Thatched 12′ × 10′	Tannah station	
	Do. ..	Andiappanur tannah.	Andiappanur ..	25 0 0	Do. 12′ × 10′	Do.	
	Do. ..	Andiappanur rest-house.	Do. ..	500 0 0	....	Rest-house.	
	Do. ..	Pulianoor tannah.	Pulianoor ..	25 0 0	Thatched 12′ × 10′	Tannah station	
	Do. ..	Alangayam rest-house.	Alangayam ..	503 10 4	Tiled 27′ × 21′	Rest-house.	
	Do. ..	Singarapet rest-house.	Singarapet ..	703 9 0	Do. 27′ × 21′	Do.	
	Do. ..	Maharajagudai rest-house.	Maharajagudai..	401 4 1	Tiled 27′ × 21′	Rest-house.	
	Do. ..	Krishnagiri Range office building.	Krishnagiri ..	1,531 9 1	....	Forest Range office.	
	Dharmapuri Range.	Dharmapuri Forest Range office.	Dharmapuri ..	Not known.	Tiled 74′ × 22¼′	Do.	
	Do. ..	Pennagaram depôt.	Pennagaram ..	180 0 0	Do. 53′ × 18½′	Used as depôt.	
	Do. ..	Muthugampatti Forest bungalow.	Muthugampatti.	Not known.	Do. 52′ × 15½′	Rest-house	
	Hosúr range	Denkanikóta Forest Range office.	Denkanikóta ..	1,205 15 4	Do. 144′ × 140′	Forest Range office.	
	Do. ..	Guard's hut at Anchetti.	Anchetti ..	38 0 0	Thatched 31′ × 14′	Guard's residence.	
	Do. ..	Anchetti rest-house.	Do. ..	150 0 0	Do. 27′ × 21′	Rest-house.	

SOUTHERN CIRCLE

Madura.	No. I Range, Cumbum.	Range officer's quarters and office.	Cumbum ..	1,256	0	0	The building is 45′ long and 30 broad, the floor being 2′ from ground level. The accommodation consists of one main room 15′ × 12′, two side rooms 12′ × 12′ each with a bath-room of 12′ × 6′. One of the side rooms is for office and behind it is another room 12′ × 6′ to be used for the custody of records, &c. There is also an out-house with kitchen 10′ × 10′ and stable. The foundation, basement and superstructure are all built of brick-in-mud and the roofing is with tiles, first-class wood being used for bressummers and wall plates. There is a verandah in front 45′ × 6′. Batten doors and windows are fixed. The walls are plastered and whitewashed.	Range officer's residence and office.
	Do. ..	Forester's quarters.	Gúdalúr ..	694	12	0	The building consists of 2 rooms 10′ × 10′ each, one bath-room 10′ × 6′, one office-room 10′ × 10′ and one store-room 10′ × 6′ There is a verandah in front 6′ wide and a small verandah at the back. The walls are built of brick and mud and plastered and white-washed. The roofing is made of second-class wood and bamboo reapers and covered with tiles. Wooden doors and windows are used. This is fenced in all round.	Residence and office of the Forester.
	Do. ..	Rest-house ..	Vannathiparai ..	70	0	0	This consists of mud wall and thatched roof and is 18′ square with 5′ verandah all round	By the Range officer and the District Forest-officer when on inspection.
	Do. ..	Do. ..	Cumbum ..	70	0	0	Do. do. do. ..	By the Range officer only when on inspection.
	Do. ..	Do. ..	Uthamapoliem ..	127	12	0	This consists of mud wall and thatched roof and is 18′ square with 5′ verandah all round. There is also a kitchen.	....
	Do. ..	Do. ..	Combai ..	..			This is a pucka building with a terraced roof built of brick in mortar. It contains 2 rooms. It was formerly a Police station, on the abolition of which it was handed over to this department. Hence the cost of construction could not be known and has not been filled in.	Used by the Range officer and the District Forest-officer when on inspection.
	Do. ..	New rest-house.	Cumbum ..	1,200	0	0	The building consists of a central room (one main room) 18′ × 12′ and a side room 12′ × 4′ and 2 bath-rooms 6′ × 5½′ with a verandah in front 6′ wide and at side and passage in the rear between the baths. The walls are built of brick and mud and tiled with Calicut tiles.	. ..
	Do. ..	Out-houses to new rest-house.	Do. ..	215	0	0	The building is 4½ × 10½′. It consists of one kitchen 13′ × 7½′ and one stable 9′ × 7′ The walls are built of un burnt brick-in-mud and the wood used is jungle wood.	....
	Do. ..	Watchers' quarters.	Do. ..	505	0	0	The building consists of 2 main rooms 12′ × 10′ each and a verandah in front 56′ wide. It is built of new brick in-mud and the roofing being with common tiles.	....
	Do. ..	Guards' and watchers' quarters.	Gúdalúr ..	616	0	0	The building is 36½′ × 34′. It consists of 3 rooms 12′ × 8′ and the other two 12′ × 10′ each and a verandah infront 5′ wide.	....
	Do. ..	Rest-house ..	Theni	775	0	0	The building is 28½′ × 21′. It consists of one main room 12′ × 12′. One bath-room 12′ × 6′ with a verandah 6′ wide. The walls are built of new bricks-in-clay and with tiled roof.	....
	Do. ..	New rest-house.	Vannathiparai ..	700	0	0	Do. do. do. ..	....

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
				Rs. A. P.			
Madura —*cont*	No. II range, Kodaikánal.	Range officer's quarters	Kodaikánal ..	3,260 9 1	The building consists of 4 rooms measuring 12′ × 12′, 12′ × 4′, 12′ × 19½′ and 12′ × 9½′, respectively, 2 bath-rooms 12′ × 6′ and 19½′ × 6′ and one store-room 12′ × 6′ with verandah on two sides 6′ wide. There are also kitchen, stables and godown, the first 12′ × 6′ and the latter two 6′ × 6′ each.	Range officer's residence.	
	Do. ..	Range office ..	Do. ..	..	One room 14′ × 12′ is for office and another 10′ × 6′ is for the custody of records, &c. The walls are built of stone-in-mud and plastered and whitewashed. Roof consists of first-class vengai wood and is covered with Calicut tiles with the exception of kitchen, &c., the roofing of which is with corrugated iron sheets. Doors and windows are half glass and half pannelled.	The cost of this is also included in that of the Range officer's quarters.	
	Do. ..	Range clerk's quarters.	Do. ..	356 9 0	This consists of 2 rooms measuring 17½′ × 8′ and 8′ × 8′, respectively, with a verandah 11′ × 11′. The walls are built of stone-in-mud and roofing is made of Calicut tiles.	Range clerk's residence.	
	No. II range.	Depôt - keeper's quarters and store-rooms.	Gundan Shola ..	892 14 0	This consists of 4 rooms, 3 of 10′ × 10′ each and 1, 8′ × 12′. Walls are built of stone-in-mud and plastered and white washed. There is a 6′ verandah in front. There is a passage dividing the rooms on each side and 2 rooms are set apart for office and store The roofing is of second-class wood and Calicut tiles. Doors and windows are all of wood.	Depôt-keeper's residence and depôt store-room	
	Do. ..	Gardener's and driver's quarters and cattle-shed.	Do. ..	884 7 5	Gardener's and driver's quarters consist of 8 rooms 8′ × 8′ each, built with stone-in-mud and with thatched roof. Cattle-shed consists of 3 rooms, 2 of 15′ × 12′ each and 1, 16′ × 12′, built of stone-in-mud with thatched roof and no doors.	....	
	Do. ..	Bungalow ..	Periyakulam ..	1,084 0 0	This consists of one room 20′ × 14′ and 2 store-rooms 12′ × 12′ each with a verandah 7′ wide on 3 sides The walls are built with brick-in-chunam and the roofing is of 1st-class vengai wood and partly terraced and partly tiled. Doors and windows are all of wood, the latter having iron bars. Walls are plastered and whitewashed.	Used by the District Forest-officer and Range officers when on inspection.	
	No. II range, Kodaikánal.	Forester's quarters.	Balasamudram ..	500 0 0	Similar to Forester's quarters at Gúdalúr . ..	...	
			Fencing ..	41 9 6			
	Do. ..	Rest-house ..	Kookal ..	70 0 0	This consists of only one room 14′ × 14′ with a 5′ verandah all round. The walls are of wattle and date and the roof is thatched	Used by Range officers when on inspection.	
	Do. ..	Do. ..	Poombarai ..	80 0 0			
	No. III, range, Tandigudi.	Do. ..	Mulaiyur ..	70 0 0	This also consists of only one room, but it is 16′ square with a 5′ verandah all round. The walls are of mud and whitewashed and the roofing is thatched.	Used by Range officers and by the District Forest-officer, and occasionally by officers of other departments.	

No. II range.	Pambar Forest station.	Pambar ..	721	0	0	It consists of 5 rooms, 4 measuring 10′ × 12′ each and one 12′ × 8′ with a 5 verandah in front with an enclosed backyard, roofing being Calicut tiles. The walls are built of new bricks.	Forest subordinates.
Do. ..	Rest-house ..	Marian shola ..	720	0	0	It consists one room 12′ × 12′, one bath-room 12′ × 6′ and verandah on 3 sides with 6′ wide. The walls are built of rough stone-in-mud and with corrugated iron sheets.	....
Do. ..	Do. ..	Kavalapatti ..	116	1	11	This consists of a room 18′ square with mud walls with a 5′ verandah all round and has only a thatched roof.	.. .
No. III range, Tandigudi.	Do. ..	Tandigudi ..	1,615	0	0	Consists of 2 rooms 12′ × 12′ and one room 12′ × 15′, 2 bath-rooms 12′ × 9′ each with 6′ verandah on 2 sides. There are also a kitchen and a store-room with 2 stables. All are built of mud and stone with first-class vengai timber and Calicut tiles and with doors and windows, half glass and half pannelled.	For the use of the District Forest-officer and officers of other departments.
Do. ..	Forester's quarters.	Do. ..	800	0	0	The building consists of 3 large rooms, one measuring 12′ × 10′ and 2 others 10 × 10′, one bath-room 10′ × 6′ and a store-room 6′ × 10′ with a verandah in front 6′ wide. There are also a kitchen 8′ × 10′ and one horse stable 8′ × 10′. The building is built of stone-in-mud with corrugated iron roofing.	Used by the Range officers as residence.
Do.	Forest station ..	Do. ..	880	0	0	In consists of 4 rooms 12′ × 10′ and one room 12′ × 8′ with a verandah 57′ × 5′ with a corrugated iron roof.	...
Do.	Rest-house ..	Davadanapatti ..	70	0	0	This consists of a room 15′ square and is in other respects similar to that at Kavalapatti.	Used by the Range officers on circuit.
Do.	Do. ..	Periyur ..	70	0	0	This consists of one room, but it is 16′ square with a 5′ verandah all round. The walls are of mud and white-washed and the roofing is thatched.	Do.
Do.	Do. ..	Virupatchi ..	40	0	0	This consists of one room 20′ × 12′ with mud walls and a 6′ verandah in front and one kitchen 12′ × 6′. The roof is thatched.	....
No. IV range, Palamedu.	Ranger's quarters and office.	Palamedu ..	1,124	13	6	Similar in description to the Range officer's quarters and office at Cumbum, except that junglewood is used for bressummers.	Range officer's quarters and office.
Do. ..	Rest-house ..	Sirumalai ..	224	0	0	It is 30′ × 28′ and consists of one main room 12′ × 12′ and a bath-room 12′ × 6′ and 6′ verandah on 3 sides. There is also a kitchen 10′ square. The building is of rough stone-in-mud with thatched roof.	....
Do.	Do. ..	Munur	1,528	0	0	The building consists of a wall 18′ × 12′, a side-room 12′ × 4′ and 2 bath-rooms 6′ × 11′ with a verandah in front, and at side end a passage in the rear between the baths. The rufing is of Calicut tiles.	....
Do.	Do. ..	Patnum ..	800	0	0	The building consists of one centre room 12′ × 12′ and one bath-room 12′ × 6′ with a verandah in front and side. The walls are built of rough stone-in-mud with tiled roofing.	Used by the Range officers and the District Forest-officer on circuit.
Do.	Forest station ..	Munur	790	0	0	The building consists of one room 12′ × 10′ and another 12′ × 8′, both connected within by a doorway and 3 more rooms each 12′ × 10′ with a front verandah. The walls are built of mud. The roof is covered with tiles.	....
Do.	Ranger's quarters and office.	Kansvaipatty ..	1,129	10	8	Similar to the Range officer's quarters and office at Cumbum except that junglewood is used for bressummers, &c. It has also a kitchen.	....
Do.	Forest station ..	Do.	800	0	0	This building consists of 5 rooms, 3 rooms 12′ × 10′ each and one 12′ × 2′ and the other 12′ × 10′. It is built of mud walls with common tiles with a 6′ verandah.	....

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
	Southern range.	Rest-house ..	Kalivelipil ..	Rs. A. P. 1,440 0 0	Building with plank roof consisting of 1 hall, 2 rooms and bath-rooms and verandahs on 3 sides; length 39′ 6″, breadth 39′ 6″.	Rest-house	4,000 feet above sea-level.
	Do. ..	Out-house	Do. ..	305 1 3	....	Out-house.	
	Do. ..	Rest-house ..	Kannikatu ..	1,850 0 0	Tiled building consisting of 2 rooms and bath-rooms, 1 hall and 2 verandahs; length 44′ 2″, breadth 31′ 2″.	Rest-house	2,550 feet.
	Do. ..	Coolie-shed ..	Do. ..	50 0 0	Thatched shed consisting of 2 compartments; length 23′ 3″, breadth 12′.	For coolies employed on works.	
	Do. ..	Forester's bungalow.	Do. ..	520 0 0	Building with plank roof consisting of 4 rooms and a front verandah; length 56′ 6″, breadth 23′ 9″.	For Ranger, foresters, guards and watchers.	
	Do. ..	Out-house and kitchen.	Do. ..	240 0 0	Thatched building consisting of 2 rooms and 2 stables; length 28′, breadth 9′ 9″.	Kitchen and stable.	
	Do. ..	Rest-house.	Oollar	75 0 0	Building with thatched roof consisting 2 rooms and a verandah all round; length 37′, breadth 27′.	Forester's rest-house	1,000 feet.
	Do. ..	Do. ..	Kariar (upper) ..	90 0 0	Thatched building consisting of 2 rooms and bath-rooms and 2 verandahs; length 31′, breadth 27′.	Rest-house.	700 feet.
	Do. ..	Do. ..	Do. (lower) ..	75 0 0	Building with thatched roof consisting of 2 rooms and a verandah all round; length 34′, breadth 24′.	For Forest guard and watchers.	
	Do. ..	Do. ..	Tharivattamparai	36 0 0	Thatched building consisting of 2 rooms; length 35′, breadth 26′.	Forest guard's rest-house.	
	Do. ..	Forest officer's bungalow.	Mundanthori .	200 0 0	Titled building, upper storied; length 41′ 6″, breadth 33′ 6″.	Rest-house.	
	Do. ..	Forester's rest-house.	Do. ..	Made from savings.	Round building consisting of 1 room and verandah all round. Circumfrence 103′ 6″, longest diameter 38′, short diameter 21′.	Forester's rest-house.	
	Do. ..	Hut	Do. ..	Do. ..	Thatched building consisting of 1 room, 1 kitchen and a verandah in front; length 21′, breadth 19′.	Forest guard's rest-house.	
	Do. ..	Do.	Do. ..	Do. ..	Thatched building consisting of 1 room, 1 verandah, kitchen, and 1 verandah in front; length 24′, breadth 19′.	Permit gumastah's house.	
	Do. ..	Bazaar	Do ..	Do. ..	Thatched building consisting of 2 rooms and a verandah in front; length 32′, breadth 30′.	Bazaar.	
	Do. ..	Hut	Do. ..	Do. ..	Thatched building consisting of 1 room and 1 verandah in front; length 15′, breadth 13′.	Dhonyman's hut.	
	Do. ..	Stable	Do. ..	Do. ..	Thatched building consisting of 2 compartments; length 26′, breadth 15½′.	Stable.	
	Do. ..	Kitchen ..	Do. ..	..	Thatched building consisting of 2 rooms; length 37′, breadth 15′.	Kitchen.	
	Do. ..	Closet	Do. ..	Made from savings.	Without roof; length 10′, breadth 6¼′.	Closet.	
	Do. ..	Depôt	Vikramasingapuram.	35 0 0	Thatched building consisting of 2 rooms and 1 front verandah; length 21′ 8″, breadth 16′ 3″.	Timber depôt.	
Tinnevelly.	Do. ..	Sub-Assistant Conservator's bungalow.	Ambasamudram	Not known.	Tiled building consisting of 8 rooms and 1 hall; length 58′, breadth 31′.	Rest-house	Transferred from Police department.

Do. ..	Sub-Assistant Conservator's office.	Do. ..	284	0 0	Tiled building consisting of 1 room; length 24′, breadth 18′.	Office.
Do. ..	Rest-house ..	Sengalteri ..	275	0 0	Thatched building consisting of 1 hall, 1 bath-room and verandah on 4 sides; length 27′, breadth 27′.	Rest-house.
Do. ..	Forester's office.	Kalacad ..	315	0 0	Tiled building consisting of 2 halls, 1 record-room, 1 bath-room, 1 front verandah and a small back verandah; length 34′, breadth 24′.	Ranger's office.
Do. ..	Mothalaruppan .	Mothalaruppan .	Under 200	0 0	Thatched building consisting of 2 rooms and 1 bath-room; length 25′ 6″, breadth 21′ 3″.	Rest-house.
Northern range.	Rest-house ..	Virusadikidai ..	200	0 0	Thatched building consisting of 1 hall, 1 bath-room and verandahs on all 4 sides; length 20′, breadth 20′.	Do.
Do. ..	Out-house ..	Do. ..	56	0 0	Thatched building consisting of 2 rooms; length of each 12′ breadth of each 8′.	Kitchen.
Central range.	Rest-house and office.	Vasudevanallur .	500	0 0	Tiled building consisting of 1 hall, 1 verandah room, 2 corner rooms and verandahs on 3 sides; length 31′, breadth 29′.	Rest-house.
Do. ..	Depôt	Do. ..	89	12 6	....	Depôt.
Do. ..	Out-house .	Do. ..	..		Thatched building consisting of 2 rooms, 1 bath-room and verandahs on 2 sides; length 23′, breadth 18′.	Office.
Do. ..	Rest-house .	Kotantheri ..	375	0 0	Thatched building consisting of 1 room, 1 bath-room and verandahs on 2 sides; length 27½′, breadth 27½′	Rest-house.
Do. ..	Do. ..	Thalayanai ..	Under 200	0 0	Thatched building consisting of 1 room, 1 bath-room and verandahs on 2 sides; length 33′, breadth 21′.	Do.
Do. ..	Do. ..	Kannimarkoil, Puliyangudi hills.	200	0 0	Thatched building consisting of 1 room, 1 bath-room and verandahs on 2 sides; length 23′, breadth 22′.	Do.
Do. ..	Do. ..	Parliyar Kadayanallur hills.	200	0 0	Thatched building consisting of 1 room, 1 bath-room and verandahs on 2 sides; length 29′, breadth 26′.	Do.
Do. ..	Do. ..	Courtallum ..	737	11 0	Tiled building consisting of 3 rooms and 2 bath-rooms; length 38½, breadth 28½.	Do.
Do. ..	Kitchen ..	Do. ..	51	0 0	Tiled building consisting of 3 rooms; length 40′, breadth 11′.	Kitchen.
Do. ..	Stable	Do.	49	8 8	.. .	Stable.
Do. ..	Out-house ..	Do. ..	348	0 0	Tiled building consisting of 6 rooms; length 36′, breadth 20½′.	Office and godown.
Do. ..	Rest-house ..	Kadayanallur ..	750	0 0	....	Out-house.
Do. ..	Out house and godown of the Ranger's office.	Courtallam ..	348	0 0	Tiled building consisting of 6 rooms; length 36′ 3″, breadth 25′ 6″.	Partly as office and partly as residence of the Forester.
Do. ..	Tannah hut ..	Peranur ..	200	0 0	Tiled building of a single room and verandah; length 12′, breadth 12′.	Tannah to check the removals from Travancore.
Do. ..	Do. ..	Thatchankudi-yeruppu.	200	0 1	Tiled building of a single room and verandah; length 12′, breadth 12′.	Do.
Do. ..	Ranger's office ..	Kadyanallur ..	750	0 0	Tiled building consisting of 5 rooms and verandahs on 2 sides; length 42′, breadth 30′.	Ranger's office and rest-house.
Southern range.	Out-house ..	Ollar	169	10 6	Thatched building consisting of 4 rooms; length 41′, breadth 12′.	Kitchen and stable.
Do. ..	Bungalow ..	Sivasylum ..	890	14 6	Tiled building consisting of 3 rooms and verandahs on 3 sides; length 43′, breadth 34′.	Rest-house.
Do. ..	Do ..	Mundanthorai ..	2,224	3 1	Tiled building, storied, consisting of 3 rooms and verandah on 3 sides; length 41′, breadth 33′ 9″.	Do.
Do. ..	Out-house ..	Kalirilapil ..	305	1 3	....	Out-house.
Do. ..	Tannah hut ..	Kolunthumamalai.	65	9 4	Thatched building of a single room; length 12′, breadth 12′.	Rest-house of the Forest guard.

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
				Rs. A. P			
Tinnevelly *cont.*—	Northern range.	Bungalow ..	Athithimodu ..	434 8 7	....	..	
	Do. ..	Tannah ..	Do. ..	151 13 4	....	..	
	Nanguneri sub-range.	Kitchen to the rest-house.	Sengalteri ..	20 8 0	Thatched building, 1 room.	..	
	Do. ..	Bungalow ..	Nadukani ..	200 8 6	Thatched building, 1 room and verandah; length 27′, breadth 27′.	Rest-house.	
	Do. ..	Out-house ..	Asamboo hills ..	200 2 0	Thatched building; length 14′, breadth 8′.	Out-house.	
	Tenkarai sub-range.	Bungalow ..	Nazereth ..	1,000 0 0	Tiled building of 3 rooms and verandahs on 3 sides; length 43′, breadth 12′.	Rest-house.	
	Do. ..	Do. ..	Do. ..	200 0 0	Tiled building of 1 room; length 12′ × 12′, breadth.	Forest guards' quarters.	
	Do. ..	Do. ..	Vallanad ..	875 0 0	Tiled building of 3 rooms and verandahs on 3 sides; length 43′, breadth 12′.	Rest-house of the Forester.	
	Do. ..	Do. ..	Do. ..	200 0 0	Tiled building of 1 room; length 12′, breadth 12′.	Forest guards' quarters.	
	Satyamangalam.	Inspecting officer's residence.	Talamalai ..	250 0 0	30′ × 12′ with mud walls and tiled roof	Used by Inspecting officers.	
	Do. ..	Do. ..	Ekkatur ..	250 0 0	32′ × 15′ do. do.	Do.	
	Do. ..	Residence of Forester.	Talavadi ..	250 0 0	16′ × 8′ do. do.	As Forester's residence.	
	Do. ..	Inspecting officer's residence.	Hassanur ..	350 0 0	40′ × 12½′ do. do.	By Inspecting officers ..	Transferred from Local Fund Department.
	Do. ..	Do. ..	Markampolliem	670 0 0			
	Do. ..	Do. ..	Karalia ..	670 0 0	44′ × 16′ do. do.	Do.	
	Do. ..	Do. ..	Gairmallam ..	800 0 0			
	Do. ..	Do. ..	Geddasal ..	....	....	....	Transferred from Local Fund Department.
North Coimbatore.	Kollegal ..	(*a*) Residence and (*b*) Range office.	Kollegal ..	890 0 0	(*a*) 51′ × 13′ (*b*) 22′ × 12′ with brick walls and tiled roof ..	For the use of the Range officer and his office.	Erected by the department.
	Do. ..	Inspecting officer's residence.	Kowdally ..	250 0 0	32½′ × 16½′ with mud walls and tiled roof ..	By Inspecting officers.	
	Do. ..	Do. ..	Bylur	400 0 0	do. do.	Do. ..	Transferred from Local Fund Department.
	Do. ..	Do. ..	Lokanahally ..	....	do. do.	Do.	
	Do. ..	Do. ..	Ponnachi ..	310 0 0	41′ × 15′ do. do.	Do.	
	Do. ..	Do. ..	Alambady ..	310 0 0		Do.	
	Do. ..	Do. ..	Hannur ..	300 0 0		Do. ..	Do.
	Do. ..	Do. ..	Thalabettah ..	570 0 0	do. do.	Do.	
	Do. ..	Do. ..	Gopinatham ..	570 0 0		Do.	
	Do. ..	Do. ..	Changadi ..	250 0 0	3½′ × 16½′ do. do.	Do.	
	Bhavani ..	Ranger's quarters and store-room.	Bhavani ..	1,000 0 0	41′ × 15′ with mud walls and tiled roof	As residence of the Ranger.	
	Do. ..	Do. ..	Tamarakkarai ..	350 0 0	Do. do. do. ..	By Inspecting officers.	

South Coimbatore.	No. I, Tunacadavu Range.	District Forest-officer's quarters.	Mount Stuart .	2,500	0	0	Iron roof, consists of 3 rooms of $14\frac{3}{4}' \times 11\frac{1}{4}'$, $14\frac{3}{4}' \times 14\frac{3}{4}'$ and $14\frac{3}{4}' \times 11\frac{3}{4}'$, respectively, 2 bath-rooms and 2 store-rooms with verandah on two sides	District Forest-officer's rest-house.		
	Do. ..	Godowns ..	....	350	0	0	Tiled, consists of 4 rooms of $8\frac{1}{4}' \times 7\frac{3}{4}'$, $8\frac{1}{4}' \times 8'$, $8\frac{1}{4}' \times 7\frac{3}{4}'$ and $8\frac{1}{4}' \times 7\frac{3}{4}'$ respectively.	....		
	Do. ..	Stables ..	....	150	0	0	Tiled, consists of 3 rooms of $12' \times 8'$, $12' \times 7\frac{3}{4}'$ and $12' \times 7\frac{1}{2}'$ respectively.	....		
	Do. ..	Sub-Assistant's bungalow.	....	3,250	0	0	Iron roof, consists of 2 rooms of $20' \times 12\frac{1}{2}'$ and $20\frac{1}{4}' \times 12\frac{1}{2}'$, 2 bath-rooms of $10\frac{1}{2}' \times 6\frac{3}{4}'$ and $11\frac{1}{2}' \times 6\frac{3}{4}'$ and store-room of $11\frac{1}{2}' \times 6\frac{3}{4}'$.	Range officer's office and quarters.		
	Do. ..	Ranger's quarters.	....	600	0	0	Tiled roof, consists of 4 rooms of $11\frac{1}{2}' \times 8\frac{1}{2}'$, $11\frac{1}{2}' \times 8\frac{1}{2}'$, $9\frac{1}{4}' \times 8\frac{1}{2}'$ and $9\frac{1}{4}' \times 8\frac{1}{2}'$ respectively.	Old Ranger office quarters now occupied by a Forester.		
	Do. ..	Out-house .	...	75	0	0	Tiled roof, $8' \times 8'$			
	Do. ..	Writer's and peon's quarters.	....	700	0	0	Iron roof, consists of 4 rooms of $16\frac{1}{2}' \times 10'$, $16\frac{1}{2}' \times 9\frac{1}{2}'$, $16\frac{1}{2}' \times 9\frac{1}{2}'$ and $16\frac{1}{2}' \times 9\frac{1}{2}'$ respectively.	Writer's and peon's residence.		
	Do. ..	Store-shed ..	....	300	0	0	Iron roof, consists of 2 rooms of $12' \times 12'$ each	For tramway materials.		
	Do. ..	Forester's quarters.	Mount Stuart ..	366	0	0	Tiled roof, consists of 2 rooms of $15\frac{3}{4}' \times 12\frac{3}{4}'$, $12\frac{3}{4}' \times 12\frac{3}{4}'$ and 1 bath-room $8\frac{1}{4}' \times 7\frac{1}{4}'$ with verandah on one side.	Vacant.		
	Do. ..	Forester's and guard's quarters.	Anaipadi ..	200	0	0	Thatched sheds, consists of 15 rooms of $10' \times 10'$ each	Foresters' and guards' residence.		
	Do. ..	Store-shed ..	Do. ..	208	0	0	Wooden sides with corrugated iron sheet roofing $6' \times 14'$.	For elephant, things, &c.		
	Do. ..	Ranger's quarters	Sethumadai ..	950	0	0	Tiled with Mangalore tiles, consists of 3 rooms of $12\frac{3}{4}' \times 11\frac{3}{4}'$, $12\frac{3}{4}' \times 12\frac{3}{4}'$ and $12\frac{3}{4}' \times 11\frac{3}{4}'$, 2 bath-rooms and verandah on two sides.	Range officer's office and residence.		
	Do. ..	Clerk's and peon's quarters.	Do. ..	500	0	0	Tiled, consists of 3 rooms with compartments of $9' \times 9'$ and $6' \times 9'$ in each room.	Clerk's and peon's residence.		
	No. II, Pollachi Range.	District Forest-officer's bungalow.	....	2,300	0	0	Consists of 3 rooms $15' \times 12'$, $15' \times 15'$ and $15' \times 12'$, respectively, and 1 bath-room, 1 store-room with verandah on 2 sides. There are also 1 line with 3 stables and 1 line of 2 kitchens and 2 godowns.	Used by the District Forest-officer as a rest-house and by officers of other departments.	Tiled.	
	No. II, Pollachi.	Ranger's quarters.	Sethumadai ..	850	0	0	Consists of an office hall $27' \times 12\frac{1}{2}'$ and 2 store-rooms of $8' \times 6'$ each and a verandah attached to the office and 3 rooms consisting of $10' \times 8'$, $11' \times 10'$ and $10' \times 8'$, and 2 side rooms (a bath and a store room) $8' \times 6'$ and $10' \times 6'$, respectively, and a kitchen-room outside.	Range officer's office and residence.	Do.	
	Do. ..	Forester's quarters.	Do. ..	500	0	0	Consists of 2 rooms $9\frac{1}{2}' \times 9'$ and $9' \times 8\frac{1}{2}'$ and a bath-room and a verandah in front and an out-house (kitchen)	Used by the Tanadar and Forest guard.	Do.	
	No. II, Pollachi Range.	Writer's quarters.	Do. ..	200	0	0	Consists of 2 rooms $10\frac{1}{2}' \times 9\frac{1}{2}'$ and $8' \times 9\frac{1}{2}'$	Writer's residence . ..	Do.	
	Do. ..	Anamalais bungalow.	Anamalais ..	850	0	0	The main building consists of 2 rooms $15\frac{1}{2}' \times 15\frac{1}{2}'$ and $14' \times 12'$ close together, with a bath-room and a separate room $15' \times 15'$, with a thatched court-yard $32' \times 31'$ connecting this with the main building and a thatched verandah all round. There is a thatched kitchen consisting of 2 rooms.	Used as a rest-house occasionally. The compound forms a timber depôt.	Do.	
	Do. ..	Pollâchi depôt building.	Pollâchi ..	1,000	0	0	Consists of a small room $13\frac{1}{4}' \times 8'$ and a verandah all round inside, and with also a verandah all round outside. The building is $48\frac{3}{4}' \times 48\frac{3}{4}'$; a tiled out-house used as a latrine is also attached.	Used as a rest-house occasionally.	Do. The compound forms a timber depôt.	
	Do. ..	Vellooni rest-house.	Vellooni ..	350	0	0	A tiled building consists of 2 rooms $12' \times 12'$ and $12' \times 7'$ with an open thatched verandah in front.	Used as a rest-house by a Forester.	Tiled.	

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
				Rs. A. P.			
South Coimbatore —*cont.*	No. IV, Udamalpet Range.	Ranger's quarters.	Esalamanthorai.	950 0 0	Consists of 4 tiled rooms of 9′ × 9′ × 8′; 1 hall (terraced) of 18¾′ × 9′ × 7′ and a kitchen of 9′ × 9′ × 7′. There is also a well in the compound; tiled verandah round the main building.	Range officer's office and residence.	Tiled.
	No. VI, Méttupálaiyam Range.	Do. ..	Méttupálaiyam..	1,250 0 0	Consists of 3 rooms of 16′ × 16′, 16′ × 10′ and 16′ × 10′, 2 bath rooms, 1 store-room and a record-room with verandahs on three sides; there are also kitchen and stable.	Do. do. ..	Do.
	Do. ..	Tannah hut ..	....	74 13 4	Consists of only 1 room of 12′ × 12′ with a verandah 4′ broad.	Tanadar's residence.	
	Do. .	Do. ..	Karamadai ..	..	Do. do. do. ..	Do.	
	Do. ..	Inspection hut, thatched.	Nirali in Sundaputti reserve.	86 0 0	Consists of 2 rooms 8′ × 8′ each and one front verandah ..	Temporary residence for Inspecting officers	
	Do. ..	Do. ..	Kandyur ..	40 0 0	Consists of only 1 room of 16′ × 8′ with a front verandah ..	Do. do.	
	No. VII, Bolamputty Range.	District Forest-officer's bungalow.	Iruttupallam ..	2,000 0 0	A pucka-built bungalow; consists of 3 rooms of 12′ × 10′, 12′ × 10′ and 25½′ × 10′, respectively, 2 bath-rooms with verandah on three sides; there are also kitchen, stables and godowns.	Rest-house for District Forest-officer and used by officers of other departments.	
	Do. ..	Ranger's quarters and office.	Do. ..	750 0 0	One pucka-built house covered with Basel Mission tiles; containing 1 side room 12′ × 11′ with bath-room 11′ × 4¾′, 1 middle room 12′ × 12′ with (rear verandah 12′ × 6′, 1 side room 12′ × 11′ with bath room 11′ × 4¾′, 1 front verandah 40′ × 16).	By Range officer for dwelling and as Range Officer's office and store-room.	
	Do. ..	Two guards' houses.	Do ..	235 12 7	Built of burnt bricks and teakwood under Calicut tiles; consists of 2 large rooms, 2 small ones for kitchen. The dimensions are 2 rooms 10′ × 8′ and 2 small ones 5′ × 5′; each guard is allowed one large and one small room.	Quarters for two Forest guards	
	Do. ..	Range officer's rest-house and a guard's quarters.	Vellapathi ..	379 11 3	Built of burnt bricks and teak wood under Calicut tiles; consists of 1 room 12′ × 10′ with a bath-room 5′ × 6′, verandah in front 23′ × 6′, 1 room 10′ × 8′	Rest-house for Inspecting officers and quarters for one guard.	
	No. VIII, Sholukarai Range.	Ranger's quarters.	Navakarai ..	300 0 0	Consists of 5 rooms and a verandah measuring 9′ × 6′, 9′ × 9′, 9′ × 9′, 19¾′ × 7¼′, 19¾′ × 8′ and 9′ × 7¼′, respectively.	Range officer's residence.	
	Do. ..	Office . ..	Do. ..	267 7 6	Consists of 1 room and a verandah 20′ × 9¼′ and 20′ × 7¼′, respectively	Range office.	
	Do. ..	Two guards' quarters.	Do. ..	300 0 0	Each containing 2 rooms and a verandah 9¾′ × 9¼′, 9′ × 9¼′ and 20½′ × 3¼′, respectively.	Residence of two Guards.	
	Do. ..	Residence ..	Do. ..	54 8 0	Consists of 1 room and a verandah 13¼′ × 9¼′ and 14′ × 2½′, respectively.	Residence of Tapal peon.	
	Do. ..	Tannah ..	Do. ..	..	Consists of 1 room 12′ × 9′	Tannah station.	
	Coimbatore depôt.	Office	Coimbatore ..	350 0 0	Consists of 2 rooms 20½′ × 13′ × 9½′ and 13′ × 13′ × 9½′, respectively, and verandahs on all four sides.	Depôt-keeper's office.	
	Mudumalai	Inspection-house.	Benné	713 0 0	A building of the Gódávari standard plan on 3′ piles constructed of wood with thatched roof.	Used as a residence of the Inspecting officer.	
	Do. ..	Do. ..	Mudumalai ..	84 0 0	Do. do. do. ..	Do. do.	

Nilgiris.	Do. ..	Range-house ..	Benné	580	0	0	A building of the Gódávari standard plan on 3′ piles constructed of wood with slight modifications.			Occupied by the Ranger.
	Do. ..	Ranger's hut ..	Mudumalai ..	400	0	0	A thatched hut with bamboo tattee walls plastered with mud.			Used as a residence of the Ranger when on tour.
	Do. ..	Do. ..	Tippakadu ..	40	0	0	Do.	do.	do. ..	Do. do.
	Do. ..	Forester's hut ..	Benné	40	0	0	Do.	do.	do. ..	Occupied by the Forester.
	Do. ..	Clerk's hut ..	Do.	48	0	0	Do.	do.	do. ..	Occupied by the clerk.
	Do. ..	Guard's hut ..	Do.	20	0	0	Do.	do.	do. ..	Occupied by the guard.
	Do. ..	Do. ..	Mudumalai ..	20	0	0	Do.	do.	do. ..	Do.
	Do. ..	Do. ..	Tippakadu ..	30	0	0	Do.	do.	do. ..	Do.
	Sigur range.	Range office ..	Masnigudi ..	312	0	0	An old building of brick and mortar roof and walls bought and repaired.			Used as an office by the Range officer.
	Do. ..	Range hut ..	Kalhatti ..	220	0	0	Thatched hut with mud walls			Occupied by the Range officer.
	Ootacamund.	Ranger's halting shed.	Bikapathy ..	53	0	0	Thatched hut with tattee walls plastered with mud ..			Used as a residence of the Ranger when on tour.
	Do. ..	Depôt hut ..	Ootacamund ..	100	0	0	Tiled roof, walls plastered with mud			Occupied by the watcher.
	Do. ..	Guard's hut ..	Bikapathy ..	75	0	0	Thatched hut with tattee walls plastered with mud ..			Occupied by the guards of the respective beats.
	Do. ..	Do. ..	Avalanche ..	60	0	0	Do.	do.	do.	Do. do.
	Do. ..	Do. ..	Dodabetta ..	110	0	0	Do.	do.	do. ..	Do. do.
	Do. ..	Do. ..	Cairn hill ..	110	0	0	Do.	do.	do. ..	Do. do.
	Do. ..	Do. ..	Aramby ..	110	0	0	Do.	do.	do. ..	Do. do.
	Do. ..	Do. ..	Governor's shola.	110	0	0	Do.	do.	do. ..	Do. do.
	Do ..	Do. ..	Bikkatti ..	90	0	0	Do.	do.	do. ..	Do. do.
	Do. ..	Gardener's hut.	Lovedale ..	53	0	0	Do.	do.	do. ..	Occupied by the gardener.
	Coonoor range.	Inspection and rest-house.	Ralliah	360	0	0	A wooden house with tiled roof including stables			Used as a residence by the officers of the Forest Department when on tour.
	Do. ..	Do. ..	Kullar	1,807	0	0	A wooden house with zinc roof including stables and out-houses.			Do. do.
	Do. ..	Seed-house ..	Sim's Park ..	265	0	0	A wooden house with thatched roof			Used as a place for storing seeds.
	Do. ..	Range hut ..	Kótagiri ..	220	0	0	A hut with tiled roof and mud walls			Occupied by the Forester.
	Do. ..	Do. ..	Kartary ..	200	0	0	Do. do.			Do.
	Do. ..	Guard's hut ..	Ralliah	83	0	0	Thatched huts with mud walls			Occupied by the guards of the respective beats.
	Do. ..	Do. ..	Brooklands ..	80	0	0	Do.			Do. do.
	Do. ..	Do. ..	Bandy shola ..	83	0	0	Do			Do. do.
	Do. ..	Do. ..	Dena	80	0	0	Do.			Do. do.
	Do. ..	Do. ..	Kodanád ..	80	0	0	Do.			Do. do.
	Do. ..	Do. ..	Hulikal	90	0	0	Do.			Do. do.
	Do. ..	Do. ..	Kolakombé .	90	0	0	Do.			Do. do.
	Do. ..	Do. ..	Deva shola ..	80	0	0	Do.			Do. do.
	Do. ..	Do. ..	Melúr	90	0	0	Do.			Occupied by the guard.
	Do. ..	Gardener's hut.	Sim's Park ..	80	0	0	Do.			Occupied by the gardener.
	Do. ..	Store-room ..	Ralliah	40	0	0	Do.			Used for storing charcoal.
	Do. ..	Depôt hut ..	Coonoor ..	559	0	0	A pucka brick building with zinc roof			Used as an office by the depôt-keeper and as residence of the watcher, and also as store-room for the Ranger.
	Do. ..	Gardener's hut.	Benhope ..	23	0	0	Thatched roof with mud walls			Occupied by the gardener.

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
Nilgiris —*cont.*	Ootacamund Range.	Forester's house.	Naduvattam ..	Rs. A. P. 779 0 0	A brick building with corrugated iron roofing. This consists of 3 rooms (2 rooms 14′ × 12′ each) and (1 room 6′ × 12′), with 4 doors (2 doors 6′ × 4′ each) and (2 doors 5 × 2½′ each), three windows 3′ × 4′ each—Rs. 540. Out-houses to doors consisting of 2 rooms 10′ × 10′ each with 2 doors 4′ × 6′ each, 2 windows 2′ × 3′ each—Rs. 239.	Used by the Forester.	
	Do. ..	Depôt clerk's office room.	Ootacamund ..	172 12 11	A brick building with tiled roof	Used as an office room by the Depôt clerk.	
	Do. ..	Ranger's halting shed.	Muttanad ..	172 0 0	Thatched hut with mud walls. This consists of 2 rooms (12′ × 10′ each), 3 doors (6′ × 2½′ each), 2 windows (2′ × 1½′ each).	Used as a residence of the Ranger when on tour.	
	Do. ..	Guard's hut ..	Neduvattam ..	159 0 0	Tiled roof walls plastered with mud. This consists of 2 rooms (12′ × 10′), (10′ × 6′), with 2 doors (5′ × 2½′ each), 2 windows (2′ × 1½′ each).	Used as a residence by the Guard.	
	Do. ..	Do. ..	Pykara	140 0 0	Thatched hut with mud walls. This consists of 2 rooms (12′ × 10′), (10′ × 6′), with 2 doors (5′ × 2½′ each), 2 windows (2′ × 1½′ each).	Do. do.	
	Do. ..	Do. ..	Bikkatu ..	116 0 0	Do. do.	Do. do.	
	Do. ..	Do. ..	Chinna Coonoor.	87 0 0	Do. do.	Do. do.	
	Manantoddy	Residence ..	Manantoddy ..	12,377 0 0	Built of burnt-bricks and teak-wood, partly iron-roofed under Mangalore tiles. Consists of 11 rooms and a verandah in front 50′ 5″ wide and a portico. Rooms are of the following dimensions:—19′ 7″ × 9′; 16′ 4″ × 18′ 10″; 16′ 4″ × 7′ 11″; 18′ 10″ × 15′ 10″; 15′ 10″ × 7′ 11″; 7′ 11″ × 7′ 11″; 15′ 11″ × 17′ 11″; 16′ 5″ × 7′ 10″; 16′ 11″ × 8′; 16′ × 8′; 7′ 10″ × 7′ 10″.	Residence for District Forest-officer.	District Forest-officer pays a rent of Rs. 40 per mensem.
	Do. ..	Stables and go-down.	Do. ..	1,039 0 0	Built of burnt-bricks and teak-wood and tiled; has 6 divisions, one of 16′ 3″ × 10′ 2″ and 5 rooms of 10′ × 8′ 2″ each.	Used for horses and bullocks; and as residence of servants.	
	Do. ..	Cook-room ..	Do. ..	604 0 0	Built of burnt-bricks and teak-wood and tiled; has 4 rooms and a verandah in front 5′ 10″. The rooms are 15′ × 12′; 12′ × 12′; 15′ 4″ × 4′ and 12′ × 4′.	Used as cook-room and store.	
	Do. ..	Old office ..	Do. ..	669 0 0	There are 3 rooms of 22′ × 11′ 9″; 25′ × 16′ 10″; 9′ 10″ × 6′ 10″ with verandah on 3 sides 8′ wide.	Used as record-rooms.	
	Do. ..	New office ..	Do. ..	651 0 0	Has 2 rooms of 20′ × 13′ and 12′ × 13′ with 8′ verandah in front and back.	Used as office.	
	Do. ..	Gardner's house.	Do. ..	42 0 0	Has a room 16′ 3″ × 10′ 2″	Residence of gardener of the Manantoddy Experimental Farm.	
	Do. ..	Seed-house ..	Do. ..	264 0 0	Built of teak-wood and burnt-bricks with glazed roof of 15′ 2″ × 10′ 8″ in dimension.	For raising plants.	

North Malabar.	Begur ..	Rest-house ..	Begur	1,143	0	0	Walled with teak planks and tiled, consists of two rooms of 16′ 2″ × 12′ and 11′ 8″ × 12′ and 4′ verandah in front.	Residence and office for the Range officer.	Was built by Mr. Peet in 1874 or 1875 at a cost of Rs. 1,000. It was a shingled one. It has been tiled at a cost of Rs. 142-13-1
	Do. ..	Residence ..	Do. ..	574	0	0	Consists of 2 rooms 10′ × 10′ and a verandah all round 3′ wide.	Rest-house of the District Forest-officer.	
	Do. ..	Elephant shed ..	Do. ..	602	0	0	It is of 58′ × 19′	Stabling elephants as well as residence for mahout	
	Do. ..	Mahout lines ..	Do. ..	561	0	0	Four rooms, each being 12′ × 9′		
	Do. ..	Store	Do. ..	375	0	0	Has one room 20′ × 12′ and another by 12′ × 12′ and verandah in front 3′ wide.	Storing provisions for elephants.	
	Brammagiri.	Rest-house ..	Brammagiri ..	1,026	0	0	Forest lodge built of rock and clay and roofed with iron; has 3 rooms, 14′ 3″ × 14′ 2″, 14′ 3″ × 14′ 2″ and 10½′ × 7′ with 4′ verandah in front.	Rest-house for District Forest-officer and Range officers for inspection.	
	Do. ..	Kitchen ..	Do. ..	197	0	0	Iron-roofed and built of stone, bricks, &c., of 18′ 4″ × 11′ with a verandah 4′ 8″ in front.	Used as kitchen.	
	Tirunelly ..	Forest guard's station.	Tirunelly ..	376	0	0	Built of mud with teak roof and tiled; has a room 17½′ × 9½′ with 5′ verandah all round.	Residence for Forest guard.	
	Kakkery ..	Do. ..	Kakkery ..	242	0	0	Has a room 12′ × 12′ with verandah in front of 4′ wide; has the roof tiled.	Do. do.	
	Kaikaty ..	Do. ..	Kaikaty ..	230	0	0	Do. do. do. ..	Do. do.	
	Kartikolum.	Do. ..	Kartikolum ..	230	0	0	Do. do. do. ..	Do. do.	
	Kuppadi ..	Residence and office.	Kuppadi ..	2,319	0	0	Built of sun-dried bricks and iron-roofed; has 8 rooms, 2 of them being 14′ 6″ square, the other 2 being 14′ 3″ × 6′ 9″ and the remaining 4 being 6′ 9″ square each.	Residence and office for Range officer	
	Dindimal ..	Do. ..	Dindimal ..	1,080	0	0	A bungalow with kitchen, &c., stable, built of burnt-bricks and of different kinds of wood and tiled; has 11 rooms of 8¾′ × 8½′, 21′ × 8½′ (feet), 16½′ × 8½′, 16½′ × 8½′, 8½′ × 8½′ 13′ × 18½′, 16½′ × 18½′, 16½′ × 16½′, 16½′ × 27½′, 13½′ × 8½′, 8½′ × 8½′ in dimensions with 2 verandahs 34′ × 16½′, 8½′ × 18½′ and a porch 17′ × 21′ in front.	Rest-house for the District Forest-officer and Range officer	
	Mukkie ..	Do. ..	Mukkie ..	488	0	0	Wooden serambi, tiled; has 2 rooms 10′ square with a 3′ verandah all round.	Residence and office for Range officer.	Purchased from Messrs. Alston and Co.
	Kanot ..	Do. ..	Kanot ..	416	0	0	Wooden serambi, tiled; bottom closed with sun-dried bricks; has 2 rooms of 10′ square each and a 4′ verandah all round.	Do. do.	
	Chedlet ..	Rest-house ..	Chedlet ..	548	4	7	Wooden double serambi, tiled; has 5 rooms 4 rooms of 10′ × 10′ square each and 1 room 10′ × 4′ and a verandah 4′ all round on the upper floor.	Rest-house for District Forest-officer and Range officer for inspection.	
	Do. ..	Do. ..	Muthunga ..	* 557	5	9	Wooden double serambi, tiled; has 5 rooms 4 rooms of 10′ × 10′ square each and 1 room 10′ × 4′ and a verandah 10′ wide in front and 4′ on all other sides.	Do. do. ..	* Original sanction Rs. 530. Supplemental sanction accorded for Rs. 40—*vide* Board's Proceedings, Mis. No. 612, dated 26th May 1893.
South Malabar.	Nilambur ..	Inspection shed.	Panangod ..	190	0	0	Wooden serambi with tiled roofing; has a big room ..	Used as inspection shed by the District Forest-officer, Range officer and Foresters.	
	Do. ..	Do. ..	Amarampalam ..	100	0	0	Wooden serambi with thatched roof; and has a room ..	Do. do.	
	Do. ..	Office and residence.	Nilambur ..	5,000	0	0	A tiled bungalow built of laterite stone; has 6 rooms ..	Ranger's quarters and Range office.	
	Do. ..	Office ..	Do. ..	2,000	0	0	Tiled house built of laterite stone: has 2 rooms	Used as South Malabar District Forest-office.	
	Do. ..	Residence ..	Nilambur hill ..	13,469	0	0	One storied tiled bungalow with out-houses built of laterite stone; consists of 4 rooms, a store and a pantry.	District Forest-officer's quarters.	
	Do. ..	Office and rest-house.	Kallai ..	541	0	0	Serambi with tiled roofing built of timber and has 2 rooms.	Used as depot office and rest-house for subordinates.	
South Canara	Coondapoor.	Old Munsif's Court.	..	2,100	0	0	A rectangular building 55′ × 38′ with 4 rooms built of stones with a tiled roof.	Range office	
	Do. ..	Forest hut ..	Sabladi reserve	111	0	0	A rectangular building 34′ × 18′ × 10′ high, with 2 rooms, one large and 1 small, with verandah on 2 sides and one door and two windows to each, built of mud with a thatched roof.	One room permanently by the watcher to live in and to keep Government implements, and another room by Ranger at time of inspection.	Transferred from the Public Works Department—*vide* G.O., dated 9th August 1892, No. 2200 W. The building requires certain repairs.
	Do. ..	Tannah	Wandse ..	66	0	0	Is of oblong shape, the longer side being 28′ × 15′ broad. Has 2 rooms, the larger one 13′ × 12½′ broad and the smaller one 7′ × 12½′. Has two verandahs 4′ broad on the northern and southern sides. Walls of mud and roof thatched.	Forest tannah.	

A detailed list of completed Forest buildings in the Madras Presidency with their approximate cost, &c.—*cont.*

District.	Name of range.	Name of building.	Situation.	Cost.	Description of building and accommodation available.	How used.	Remarks.
					SOUTHERN CIRCLE—*cont.*		
South Canara—*cont.*	Udipi ..	Forest hut ..	Pilarkan reserve	Rs. A. P. 75 0 0	The main building is 31′ long × 20′ broad; contains two rooms, one 17¾′ × 12′ and the other 12′ × 8¾′. with a verandah 5′ broad facing east. Each room has 2 doors and 2 windows The walls are of mud and 8½′ high 1½′ thick. There is an additional room to the south-west 5½′ square with one door. The roof is a thatched one.	Forest Rest-house	
	Do ..	Tannah	Someshwar	..	The main building occupied a space of 33′ × 15′ and contained 2 rooms, one 17′ × 9′ and the other 9′ × 9′, and a small verandah in front of the building; the roof is a thatched one.	Forest tannah	The building has come down as it was not repaired.
	Mangalore ..	Do. .. .	Jeppu, Mangalore town	75 0 0	Is a mud and tiled building 18′ × 13′ 3″ consisting of 1 room 8′ 7″ × 10′ 1½″ and one verandah 13′ 3″ × 5′ 4″.	Do.	
	Do ..	Do.	Kankonadi, Mangalore town.	75 0 0	Is a mud and tiled building 19′ × 12′ 11″, consisting of 1 room 10′ 8″ × 7′ 5″ and 1 verandah 11′ 5″ × 5′ 11″.	Do.	
	Do. ..	Do.	Police hospital ..	75 0 0	Is a mud and tiled building 16′ × 13′ 8″, consisting of 1 room 7′ 9″ × 9′ 7″ and 1 verandah 6′ × 11′ 9″.	Do.	
	Do. ..	Do. .. .	Bijai	75 0 0	Is a mud and tiled building 16′ 9″ × 13′ 5″, consisting of 1 room 7′ 9″ × 10′ 4″ and 1 verandah 6′ 2″ × 10′ 3″.	Do.	
	Do. ..	Do.	Kadiri	75 0 0	Is a mud and tiled building 16′ 3″ × 13′ 2″, consisting of 1 room 7′ 4″ × 10′ 1″ and verandah 6′ 4″ × 11′.	Do.	
	Do. ..	Do.	Urwa	75 0 0	Is a mud and tiled building 17′ 1″ × 13′ 1″, consisting of 1 room 8′ 1″ × 10′ 4″ and verandah 6′ 1″ × 10′ 6″.	Do.	
	Do. ..	Forest hut ..	Ullal plantation.	70 0 0	Is a wooden building 12′ × 8′, consisting of 2 rooms, of which one 8′ × 8′ and the other 8′ × 4′.	Residence of gardener.	
	Do. ..	Do ..	Tannir Bhavi plantation.	70 0 0	Do. do. do	Do.	
	Uppinangadi.	Tannah.. ..	Jalsur ..	17 0 0	Built of mud with a thatched roof; is 21′ long, 15′ broad and 7′ high; contains 2 rooms each 12′ × 10′ with a verandah 27′ × 4′.	As tannah	
	Do .	Do.	Uppinangadi ..	30 0 0	Is a mud and thatched building 28′ long, 15½′ broad and 7½′ high; contains 2 rooms, one 11′ × 11′ and the other 18′ × 4½′, with 2 verandahs, one 9½′ × 12′ and the other 18′ × 4½′.	Do.	
	Do. ..	Do	Puttur	39 0 0	Is a mud and thatched building 21′ long, 16½′ broad and 7′ high; containing 2 rooms 10½′ × 10′ and 19′ × 4′, with 2 verandahs 12′ × 5¼′ and 12′ × 2′.	Used as Land Trade Registration office.	
	Do	Range office ..	Do.	..	Is built of stone with a tiled roof and is 49′ long, 33½′ broad and 13½′ high; and contains 3 rooms 31½′ × 25′, 12′ × 12′ and 12′ × 7′, with 1 verandah on the east 12′ × 7′ and one on the north 12′ × 7′.	As Range office	Was formerly Munsif's Court and was taken by the department in 1889–90.
	Do ..	Tannah	Siradi .. .	23 0 0	Is a mud and thatched building 28′ long, 12′ broad and 9′ high; containing 2 rooms 10′ × 10′ and 20′ × 6′, with verandah 19′ × 10′ and another 28′ × 3′ and a portico.	As tannah	
	Do ..	Do.	Charmadi ..	27 0 0	Is a mud and thatched building 28′ × 12′ × 9′; containing one room 19′ × 10′ with 2 verandahs 19′ × 10′ and 28′ × 3′.	Do	
	Kásaragód .	Forest hut ..	Parappa teak plantation.	100 0 0	Is built of mud and has a thatched roof, it is 31½′ × 18 and consists of 2 rooms 16′ × 12′ and 12′ × 12′ with verandah on 3 sides.	Residence for watcher and rest-house for Range officer.	

Annual Form No. 59-A.

Forest Department, Madras Presidency.

Area of Reserved Forests, 1892–93.

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Northern Circle.								
Ganjám.	West Goomsur.	Dimrijholi	5,486	...	...	...	5,486	...	.....	
	East Goomsur.	Jaganathprasad ...	26,200	...	...	...	26,200	..	.. ..	
		Chondragiri ...	18,320	...	...	...	18,320	...	.....	
	Suradá ...	Bondagoocha ...	4,400	...	...	...	4,400	..	....	
		Malati	1,720	...	...	...	1,720	...	.....	
		Dabuki	1,450	..	...	..	1,450	...	....	
		Vinjagiri	6,000	..	...	..	6,000	..	.....	
	Bugudá...	Punchbuthia ...	4,320	..	...	...	4,320	...	.....	
		Vishnuchakram ...	4,860	...	...	..	4,860	...	..	
		Total ...	72,756	113·68	...	...	72,756	113·68		
Vizagapatam.	Sarvasiddhi.	Peddapalle	8,960	...	...	...	8,960	...	.....	
	Golgonda.	Arlova	...	...	2,473	...	2,473	.	No 496 of 14th Oct. 1892.	
		Kakarlakonda ..	..	...	1,924	. .	1,924	.	Do.	
		Venkatapuram ...	...	...	508	. .	508	...	Do.	
		Kodavatipudi ...	...	.	1,544	.	1,544	...	Do.	
		Total ...	8,960	14	6,449	...	15,409	24·08		
Gódávari.	Delta ...	Narasapur	114	..	..	...	114	. .	...	
		Coringa	7,000	.	...	...	7,000	.	.....	
		Bondemurlanka ...	362	.	..	...	362		.....	
	Rékapalle.	Pulsumamidi ...	4,520	.	...	.	4,520	...	... ..	
		Marigura	44,500	..	...	...	44,500	.	.. ...	
		Mattapalli	9,500	...	...	...	9,500		.....	
		Nelakota	2,500	.	...	...	2,500	..	.....	
	Bhadráchalam.	Komanpalli	3,250	...	...	...	3,250	..	.. ..	
	Marrigudem.	Bandroe ...	10,900	.	...	..	10,900	.	... ..	
		Golagupa	8,000	.	...	...	8,000	...	... ..	
		Narakonda	7,500	...	...	..	7,500	..	.....	
		Pengha	4,400	...	...	.	4,400	...	.....	
		Upanapali	3,300	...	...		3,300	..	.....	
		Tatlanka	12,000	...	...	.	12,000	...	.....	
		Ramachendram ...	10,300	...	..	..	10,300	...	.....	
		Rapak	7,000	...	...		7,000	...	.....	
		Sitarampuram ...	3,000	..	...	...	3,000	...	.....	
		Bhandargudem ...	7,100	...	. .	...	7,100	...	.. .	
		Burkankota ..	1,500	...	...	...	1,500	...	.....	
	Rékapalle.	Lakkavaram ...	6,500	...	...	...	6,500	...	..	
		Kalleru	6,500	...	...	...	6,500	...	... ..	
	Ellore ...	Chintalapudi ...	2,000	...	...	...	2,000	...	.....	
		Tadikalapudi ...	2,500	...	..	...	2,500	...	.....	
		Bandamcherla ..	5,200	...	...	...	5,200	.	.....	
		Erraguntapalli ...	8,640	...	...	...	8,640	...	...	
		Velagalapalli ...	2,200	...	...	...	2,200	...	... ..	
	Bhadráchalam.	Mulkanapalle ...	3,658	...	...	...	3,658	...	.....	
		Dummagudem .	6,110	...	...	...	6,110	...	....	
		Arlagudem ...	6,136	...	...	...	6,136		.. ...	
		Tunikicheruvu ...	8,022	...	...	...	8,022	...	. ....	
		Bhadráchalam ...	10,860	...	...	...	10,860	...	... ..	
		Gogubaka	1,666	...	...	...	1,666	...	.....	
	Ellore ...	Barrikonda	3,500	...	...	...	3,500	...	.....	
	Rajahmundry.	Murari	700	...	...	...	700	...	.....	
	Rékapalle ..	Kanslur	6,200	...	...	...	6,200	...	.....	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		NORTHERN CIRCLE—*cont.*								
Gódávari —*cont.*	Rajahmundry.	Kovida	1,280	..	..	.	1,280	...		
	Peddápur.	Veligogula	12,000		...	...	12,000	...	.. ...	
		Sarlanka	15,000	..	..	...	15,000	...	....	
		Raghavapatnam ...	3,600	.	...	...	3,600	...	.....	
		Anantavaram ...	4,000	.		...	4,000	...	...	
		Totapalli	2,150	...	...	...	2,150	...	.....	
	Ellore ...	Ramasingavaram ...	2,500		...	...	2,500	...	....	
	Rajahmundry.	Mollern	...	.	8,250	...	8,250	.	No. 476 of 15th Jan 1892.	
		Sudikonda	...	...	6,880	...	6,880	...	No. 53 of 27th Jan. 1892.	
		Total ...	267,668	418·23	15,130	...	2,82,798	441·87		
Kistna.	Bander ..	Kara	21	...	...	...	21	.	.....	
		Vanudhuru	64	...	...	...	64	...	...	
		Bomminampadu ...	26	...	...	...	26	...	... ..	
		Vemavarampadu ..	16	...	...	..	16	...	.....	
		Allinagaram ...	125	..	.	...	125	.	.. ..	
		Bandar Fort ...	7,500	...		..	7,500	...	.....	
		Kodur	50	...	...	...	50	...	.....	
		Gollapalem	390	...	...	..	390	...	.....	
		Sorlagondi	2,880	...	...	...	2,880	...	.....	
		Yellachetladibba ...	4,640	..	...	...	4,640	...	.....	
		Konukollu	667	...	...	...	667	...	.....	
		Nachugunta ...	8,640	..	...	...	8,640	...	.....	
		Weld	75	...	...	...	75	...	.. ...	
		Palakayatippa .	3,320	...	...	...	3,320	...	. ...	
		Gopuvanipalem ...	206	. .	...	...	206	...	.....	
	Bezwada.	Gavuravaram .	84	.	...	...	84	..	.. . .	
		Bezwada ...	300	.	...	...	300	..	.....	
		Gunadala .. .	400	..	...	...	400	...	...	
		Kondapalli extension	1,225	.	...	...	1,225	.	. ...	
		Budavada .	4,650	. .	...	...	4,650	...	... .	
		Jaggayyapéta ...	4,570	...	...	...	4,570	...	.....	
		Kothur	7,230		...	...	7,230	...	.....	
		Kondur	4,140	...	...	...	4,140	...	.....	
	Guntúr ...	Nidamarru	383	..	...	...	383	...	.....	
		Karlapudi .. .	994	...	...	...	994	..	.....	
		Narakodur	515	...	...	...	515	...	.....	
		Kuragallu . .	1,305	...	...	...	1,305	...	.....	
		Tadepalli	2,305	...	...	...	2,305	..	.....	
		Kondavid	12,857	...	...	...	12,857	...	.....	
		Gollamudi	194	...	...	..	194	...	. ...	
	Sattenapallo.	Konanki	3,600	...	...	...	3,600	...	.....	
		Bollamkonda ..	1,380	...	...	...	1,380	...	.. ..	
		Venkatayapalem ...	49,201	...	...	...	49,201	...	. ....	
		Nevalipuri	11,500	...	...	...	11,500	...	.... .	
	Vinukonda	Bollapalli ...	40,000	...	.	...	40,000	...	.....	
		Kakerala ...	17,520	...	...	...	17,520	...	.. ...	
		Guthikonda ...	37,760	...	...	...	37,760	...	....	
	Palnád ..	Tummurukodu ..	24	...	...	...	24		.....	
		Gangalakunta ...	24,461	...	...	...	24,461	. .	.	
		Madinapad .	9,600	...	...	...	9,600	..	.....	
	Bápatla.	Lankavanidibba ..	4,480	...	...	* 1,630	2,850	...	. .	* Rectification of area.
		Kothapalem No. I ...	3,840	...	...	...	3,840	..	.. ...	
		Dindi	600	...	...	...	600	...	.....	
		Adavuladivi .	610	...	...	.	610	...	...	
		Bápatla No. I ..	245	..	...	...	245	...	.....	
		Do. No. II .	1,032	...	.	..	1,032	..	.....	
		Karlapalem No. I ..	105	..	...	...	105	..	...	
		Do. No. II ..	208	...	...	...	208	...	.....	
		Vedullapalli	176	...	...	...	176	...	.....	
		Muthayapalem ...	9,569	..	...	...	9,569	...	.. ..	
		Pandillapalli ..	162	...	...	...	162	...	... .	
		Waderevu	82	...	...	...	82	...	.....	
		Kothapalem No. II ..	3,100	...	...	...	3,100	...	.... .	
		Nayanapalli ...	152	...	. .	...	152	...	... .	
		Orr's Reserve ...	128	...	...	...	128	...	.. ...	
	Bezwada ..	Kondapalli	.	...	20,722	...	20,722	...	No. 308 of 24th June 1892.	

Area of Reserved Forests, 1892-93—*cont.*

District	Range	Name of Forest	Area on 1st April 1892		Added during the year	Excluded or transferred to other heads	Area on 30th June 1893		Number and date of notification of addition or transfer	Remarks
			Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
		NORTHERN CIRCLE—*cont*								
Kistna—*cont.*	Guntúr	Kolakalur			1,356		1,356		No 282 of 15th June 1892	
	Vinukonda	Koppukonda			5,000		5,000		No 300 of 24th June 1892	
	Palnád	Pasvemula			22,782		22,782		No 93 of 5th Mar 1892	
		Kundlagunta			34,947		34,947		No 47 of 22nd Jan 1892	
		Tangedu			1,300		1,300		No 543 of 25th Nov 1892	
		Mutukur			31,360		31,360		No 258 of 1st June 1892	
		Total	280,307	452 04	117,467	1,630	405,144	633·04		
Anantapur	Gooty	Khojjapallo	342				342			
		Pamidi	640				640			
	Muchukota	Anantapur	129				129			
	Penukonda	Narasampalle	2,210				2,210			
		Kottakota	11,016				11,016			
		Neiradykonda	2,217				2,217			
	Dharmavaram.	Boodikonda A & B	1,275				1,275			
	Hindúpur	Somarajmalai	2,115				2,115			
	Gooty	Guntakal No I			384		384		Nos 67, 68 & 69 of 13th Feb 1892	
		Do II			165		165			
		Do III			384		384			
		Peddadoddi			2,479		2,479		No 287 of 16th May 1892	
		Bhadrampalli			4,226		4,226		No 17 of 9th Jan 1893	
	Muchukota	Durgam			3,640		3,640		No 407 of 22nd Aug 1893	
		Kunukuntla			1,616		1,616		No 406 of 22nd Aug 1892	
		Chillavaripalli			4,980		4,980		No 409 of 22nd Aug 1892	
		Daditota			3,634		3,634		No 456 of 21st Sep 1892	
		Neriyampalli			2,285		2,285		No 485 of 10th Oct 1892	
		Yellutla			9,182		9,182		No 38 of 16th Jan 1893	
	Dharmavaram	Bhadrapur			5,120		5,120		No 151 of 12th April 1892	
		Kalyandrug, North			475		475		Nos 294 & 303 of 15th June 1892	
		Do South			996		996			
	Penukonda	Agraharam			2,134		2,134		No 562 of 25th Nov 1892.	
		Vengalammacheruvu			2,371	..	2,371		No 18 of 9th Jan 1893	
	Hindúpur	Kondur			607		607		No 353 of 1st Aug 1892	
		Total	19,944	31 16	44,678		64,622	100·97		
Bellary	Bellary	Timmapuram	1,046				1,046			
		Tekkalakóta	600				600			
		Bellary	8,000				8,000			
		Tornagallu	2,100				2,100			
		Halikota	640				640			
		Kurugódu, West	750				750			
		Do North-West	250				250			
		Rayadurgam	6,000				6,000			
		Mincheri	4,000				4,000			
		Aduguppa	950				950			
	Sandúr	Joga	3,264				3,264			
		Gollalingammanahalli	1,000				1,000			
		Gundu	5,456				5,456			
		Somalapuram	2,600				2,600			
		Tummaraguddi ...	2,500				2,500			

Area of Reserved Forests, 1892–93—*cont.*

District	Range	Name of Forest	Area on 1st April 1892		Added during the year	Excluded or transferred to other heads	Area on 30th June 1893		Number and date of notification of addition or transfer	Remarks
			Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
Northern Circle—*cont*										
Bellary —*cont.*	Kúdligi	Shivapuram	9,000				9,000			
		Chiribi	3,000				3,000			
		Sunkadakallu	7,000				7,000			
	Ádóni	Halvi ...	1,209				1,209			
		Halekota	438				438			
		Gummanur (N ,N -E , N.-W).	646				646			
		Yeruru (S , S -W., W)	522				522			
		Chippigiri (S , S -E , W)	1,160				1,160			
		Dogalahalu	110				110			
		Nandavaram	958				958			
		Katalam	658				658			
		Banavasi	2,109				2,109			
		Badanahalu	940				940			
	Bellary ..	Suguru			530		530		No 190 of 7th May 1892	
		Nadivi			425		425		No 210 of 10th May 1892	
		Vonnahalli			105		105		No 400 of 18th Aug 1892	
		Mundrigi			49		49		No 364 of 11th Aug 1892	
		Dharmapuram			4,100		4,100		No 487 of 12th Oct 1892	
	Ádóni	Ganekallu			1,070		1,070		No 259 of 10th June 1892	
		Kotekallu			2,575		2,575		No 379 of 25th July 1892	
		Ádóni, East			1,834		1,834		No 190 of 27th Feb 1893	
		Ramadurgamkonda			337		337		No 549 of 25th Nov 1892	
		Nagaradona			140		140		No. 572 of 6th Dec 1892	
		Kenchigara Belagallu			856		856		No. 91 of 6th Feb 1893	
		Holalagondi			906		906		No 21 of 9th Jan 1893	
		Muddatamagi			317		317		No 33 of 16th Jan 1893	
		Virupapuram			110		110		No 37 of 19th Jan 1893	
		Pagalachukkuvanka			241		241		No 101 of 13th Feb 1893	
	Sandúr	Ubbalagundi			692		692		No 116 of 18th Mar 1892	
		Hospet ...			3,030		3,030		No 236 of 26th May 1892	
		Bandri			16,239		16,239		No 495 of 17th Oct 1892	
		Bukkasagaram			5,987		5,987		No. 590 of 7th Dec 1892	
		Bellekallu			12,447		12,447		No 149 of 17th Mar 1893	
	Kúdligi	Alagilavada			1,900		1,900		No 120 of 16th Mar 1892	
		Nimbalagiri			4,792		4,792		No 192 of 7th May 1892	
		Banivikallu			3,564		3,564		No 213 of 12th May 1892	
		Sunkadakalla, East			843		843		No 380 of 17th Aug 1892	
		Ramadurgam			2,500		2,500		No 595 of 6th Dec 1892	
		Uchchangidurgam			4,200		4,200		No 23 of 9th Jan 1893	
		Total ..	66,906	104 54	69,789	.	136,695	213 58		

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Northern Circle—*cont.*								
Kurnool.	Sirvel	Sirvel	116,730		...	...	116,730	...		
	Cumbum	Veligondas, South	16,755	...	...	...	16,755	...		
		Do. North	21,540	...	...	...	21,540	...		
		Uyyalavada	76,800	...	...	..	76,800	...		
	Nandyal and Nandikotkur.	Nandyal	185,700	...	...	..	185,700	...		
		Nandikotkur	256,000	...	..	...	256,000			
	Ramallakot.	Ramallakot, East	1,000	...	.	...	1,000	.		
		Do. West	1,000	...	..		1,000	..		
		Lanjabanda	2,000	.	..	...	2,000	..		
		Yaporlapad	3,384	..	...	...	3,384	...		
		Gadidamadugu	2,891	...	...	..	2,891	...		
	Cumbum and Markapur.	Cumbum	..	...	217,600	...	217,600	...	No. 104 of 7th March 1892.	
	Markapur.	Markapur		.	181,875	...	181,875	...	No. 105 of 5th Mar. 1892.	
	Cumbum	Western Veligondas.			17,780	...	17,780	.	No. 50 of 22nd Jan. 1892.	
	Ramallakot.	South Dhone	.	..	3,989	..	3,989	..	No. 52 of 19th Jan. 1892.	
		Total ...	683,800	1,068·44	421,244	...	1,105,044	1,726·63		
		Total of the Circle ...	1,409,341	2,202·09	674,757	1,630	2,082,468	3,253·85		
		Central Circle.								
Nellore.	Ongole ...	Kottapatam	147	.		...	147			
		Kanuparti	520	.	...	...	520	...		
		Ongole Hill	60	..	...	...	60	...		
	Kandukur.	Ramapatam Casuarina Plantation.	60	..	...	...	60	.		
		Chagollu	1,010		...	...	1,010	...		
		China Laterapi	1,548	...	...	.	1,548			
		Ravur	2,187	...	..		2,187			
		Chakicherla	323	...	...	.	323	...		
		Ramapatam	1,516	...	...		1,516	...		
		Boddipudi	500	...	...	...	500			
		Gudlur	3,297	...	...	...	3,297	..		
		Macherla Chelamcherla.	12,236	..	...		12,236			
	Kávali	Tummalapenta	100	..	...	...	100	...		
		Maddurpad	2,012	...	..	.	2,012	.		
		Zaladanki, East	600	...	...		600	..		
		Do. West	1,254	.	..	.	1,254	..		
		Tummalapenta, South.	392	...	...	...	392	...		
		Dharmavaram	189	..	...	...	189	.		
		Zammalapalem	1,130	...	..	.	1,130	.		
		Rudrakota	2,100	...	...		2,100	.		
		Gattupalli	838	..	..	.	838	..		
		Gollapalem	960		...	...	960			
		Tallapalem	848	...	...	..	848	...		
		Manubolupad	1,192		.	..	1,192	..		
		Chinna Annalur	3,400	.	..	...	3,400			
		Kávali	2,000	.	...	...	2,000	.		
		Dundigam	515	...	...	.	515			
		Chamadala	750	...	...	.	750			
		Zakkopalli-Gudur	800	...	...	..	800	..		
		Nagalavaram	414	..	.	...	414	...		
		Tummalapenta, West.	2,280	...	..	...	2,280	.		
		Bitragunta	1,908	..	...	..	1,908	..		
		Narayanapuram	2,392	..	...	...	2,392	...		
		Kesavaram	908		...	...	908	...		
		Tummalapenta, North.	1,300	..	...	...	1,300	.		
	Nellore	Iskapalle	23	..	..		23	..		
		Kandamur	1,520	..	...		1,520	..		
		Kakutur	480	.	...	...	480			
		Dontali	1,280	...	...	...	1,280	...		

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
Nellore—*cont.*	Nellore—*cont.*	Chemudugunta ...	320	...	...	...	320	...	.....	
		Utukur-Varni Casuarina Plantation.	607	...	...	...	607	..	.....	
		South Mopur ...	1,000	..	...	..	1,000	...	... ..	
		Kottapalli	4,230	...	...	...	4,230	...	.....	
		Marripad	1,400	...	...	...	1,400	...	.....	
		Turimerla	620	...	...	...	620	...	.....	
		Allipuram	125	...	...	...	125	..	... ..	
		Amencherla, East ...	960	...	...	...	960	...	.....	
		Do. West...	480	...	...	...	480	...	.....	
		Vavveru	2,970	...	...	...	2,970	...	.....	
		Dagadarti	2,866	...	...	...	2,866	...	... .	
		Kondlapudi	1,500	...	...	...	1,500	...	.....	
	Gudur ...	Dugarazpatnam ..	1,200	...	...	...	1,200	...	.....	
		Kanupur, East ..	960	...	...	...	960	...	...	
		Vendodu	818	...	...	...	818		....	
		Idagali	480	...	...	...	480	...	.....	
		Vodur	883	...	...	...	883	...	.....	
		Gudur	950	..	...	...	950	...	.....	
		Tammenapatam Casuarina Plantation.	485	...	...	...	485	...	.....	
		Cherukumudi ...	640	...	...	...	640	..	.....	
		Vellipodu	720	...	...	...	720	...	.....	
		Chillakur	460	...	...	...	460	...	.....	
		Vinduru	300	...	...	...	300	..	.....	
		Nellaballi	275	...	...	...	275	...	.....	
		Kadived, South ...	450	...	...	...	450	...	.....	
		Do North ...	468	...	...	...	468	...	... ..	
		Ankalapatur ...	240	...	...	...	240	...	.....	
		Pidatalapudi ...	750	...	...	...	750	...	.....	
		Madamanur ...	560	...	...	...	560	...	.....	
Nellore—*cont.*		Kanupur, West ...	1,974	...	...	...	1,974	...	... ..	
		Ipur	1,033	...	...	...	1,033	...	.....	
		Survepalli	2,750	...	...	...	2,750	...	.....	
		Momidi	2,500	...	...	...	2,500	...	.....	
		Tamenapatam, West.	350		...	...	350	...	.....	
		Yellasiri ...	2,518	...	...	...	2,518	...	.....	
		Vedicherla	850	...	...	...	850	...	.....	
		Telugurayapuram ...	763	...	...	...	763	..	.....	
	Átmakúru	Srikolanu	1,521	...	...	...	1,521	...	.....	
		Chejerla	1,121	...	...	...	1,121	...	.....	
		Turpukambampad . .	861	...	...	...	861	...	.....	
		Bommavaram ...	3,000	...	...	...	3,000	...	... ..	
		Prabhagiripatnam ..	2,500	..	...	...	2,500	...	.....	
		Turrimerla	640	...	...	...	640	...	.....	
		Pulikollu	740	...	...	...	740	...	... ..	
		Morapur	3,130	...	...	...	3,130	...	.....	
		Todaru	750	..	...	...	750	...	.....	
		Vutukur	725	...	...	...	725	...	.....	
		Duggunta	1,200	...	...	...	1,200	...	.....	
		Mogallur	957		...	...	957	...	.....	
		Ayyavaripalem ...	320	...	...	...	320	...	.....	
		Chikavolu	1,100	...	...	...	1,100	...	.....	
		Chittalur	515	...	...	...	515	...	.....	
		Nellapalli	2,100	...	...	...	2,100	...	.....	
	Rapur ...	Turpupundla ..	1,000	...	...	...	1,000	...	.....	
		Vavintaparti ...	1,300	...	...	...	1,300	...	.....	
		Tummalpatalpur ...	4,000	...	...	...	4,000	...	.....	
		Chaganam	1,500	...	...	...	1,500	...	.....	
		Vadlapudi	2,400	...	...	...	2,400	...	.....	
		Biradavolu	2,250	...	...	...	2,250	...	.....	
		Paluru	210	...	...	...	210	...	.....	
		Griddalur	700	...	...	...	700	...	.....	
		Potukonda	1,860	...	...	...	1,860	...	.....	
		Marellakonda ...	400	...	...	...	400	...	.....	
		Guttikonda	180	...	...	...	180	...	.....	
		Kummaragunta ...	440	...	...	...	440	...	.....	
		Kakalakonda ...	1,850	...	...	...	1,850	...	.....	
		Rapur Veligonda, A and B.	30,720	...	...	...	30,720	...	.....	
		Nernur	1,190	...	...	...	1,190	...	.....	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		CENTRAL CIRCLE—*cont.*								
Nellore —*cont.*	Udayagiri.	Udayagiri, East, and Appasamudram.	1,500	...	...	...	1,500	...	.....	
	Nellore ..	Nellore ..	...	..	640	...	640	...	No. 110 of 23rd Feb. 1893.	
	Gudur ...	Kottapatam	.	...	2,000	...	2,000	...	No. 239 of 26th May 1892.	
	Rapur ...	Potegunta Linganapalem.	...	.	1,500	..	1,500	...	No. 44 of 19th Jan. 1892.	
		Cherlopalli	...	..	3,360	..	3,360	...	No. 57 of 2nd Feb. 1892.	
		Podalakur ...	...	...	2,500	..	2,500	...	No. 129 of 23rd Mar. 1892.	
		Veminabhi	...	...	2,250	..	2,250	...	No. 276 of 15th June 1892.	
		Marlapudi	...	...	4,550	...	4,550	...	No. 277 of 16th June 1892.	
		Sydapuram	...	...	1,630	...	1,630	...	No. 297 of 22nd June 1892.	
	Udayagiri...	Udayagiri Durgam ..	...	...	11,280	..	11,280	..	No. 440 of 13th Sept. 1892.	
	Kanigiri...	Nandanavanam .	..	...	18,000	..	18,000	...	No. 334 of 27th July 1892.	
		Kanigiri Durgam ...	...	...	2,000	...	2,000	...	No. 494 of 14th Oct. 1892.	
		Total	168,124	262·69	49,710	...	217,834	340·37		
Cuddapah.	Kódúru ...	Kódúru Plantation....	50	...	..	...	50	..	.....	
		Thanakonda ...	1,048	...	...	...	1,048	...	... ..	
		Uparapalle	108	...	...	...	108	...	.....	
		Kódúru Hill	7,440	...	...	...	7,440	...	.. ...	
		Seshachellam ...	128,000	...	...	...	128,000	...	.....	
		Settikunta	8,960	...	...	...	8,960	...	.. ...	
		Avalapenta	1,434	...	...	...	1,434	...	.....	
		Gotimanikona ...	3,732	...	...	..	3,732	..	... .	
		Mushtiyeru . ..	6,432	...	...	...	6,432	..	.... .	
	Rájampét.	Salivendra	12,800	...	...	...	12,800	...	.....	
		Pullampet	426	...	...	...	426	...	.....	
		Reddipalle	1,284	...	...	...	1,284	..	.... .	
		Vattalur	2,880	...	...	..	2,880	...	... .	
	Sidhout ...	Kanamalapalle ...	4,435	...	...	..	4,435	...	.....	
		Malliamkonda ...	10,240	...	...	...	10,240	...	.....	
	Cuddapah...	Kamalápuram ...	485	...	...	...	485	...	... .	
	Badvél	Kavalakuntla ...	9,920	...	...	..	9,920	...	.. ..	
		Gunugapenta ...	14,080	...	...	...	14,080	...	.. .	
	Ráyachóti.	Gadikota	12,462	...	...	...	12,462	..	.....	
		Sibbyala	3,500	...	...	...	3,500	...	.....	
		Tsundapalle ...	3,000	...	...	...	3,000	...	.....	
		Vandadi	3,390	...	...	...	3,390	...	.....	
	Váyalpad ...	Yellutla	2,840	...	...	...	2,840	...	.....	
	Madanapalle.	Kotammakonda ...	640	...	...	..	640	...	.....	
		Madhanikonda ...	1,750	...	...	...	1,750	...	.....	
		Nallakonda ..	3,856	...	...	...	3,856	...	.....	
		Kukkarajupalle ...	1,660	...	...	...	1,660	...	.....	
		Pulikonda	2,460	...	...	...	2,460	...	.....	
		Mothugamala ...	2,674	...	. .	...	2,674	...	.....	
	Kadiri ..	Vellichellamala ...	3,560	...	...	...	3,560	...	.....	
		Mudupulajuvvi ...	1,226	...	...	...	1,226	...	.....	
		Kukkarazukonda ...	2,720	...	...	...	2,720	...	.....	
	Váyalpad.	Doddipalle ...	1,981	...	..	...	1,981	...	.....	
		Peddamallela ...	3,698	...	..	...	3,698	...	.....	
	Váyalpad and Madanapalle.	Guttapalem ...	..	...	2,522	...	2,522	...	No. 56 of 2nd Feb. 1892.	
	Kódúru ...	Chíyyaveram ...	...	...	2,666	...	2,666	...	No. 174 of 27th April 1892.	
	Proddatur	Dhodiyam	...	...	1,800	...	1,800	...	No. 204 of 11th May 1892.	
	Váyalpad ...	Ankalammakonda ...	...	...	4,640	...	4,640	...	No. 207 of 11th May 1892.	
	Kadiri ...	Tummala	...	...	24,097	...	24,097	...	No. 257 of 8th June 1892.	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Central Circle—*cont.*								
Cuddapah—*cont.*	Ráyachóti.	Madhaveram	..		4,681		4,681	...	No. 335 of 22nd July 1892.	
	Madanapalle.	Potapolu	..		264	...	264		No. 352 of 1st Aug. 1892.	
		Pentsupadu	...		2,870		2,870	...	No. 396 of 22nd Aug. 1892.	
	Kadiri ...	Niggadi ...	...		27,770		27,770		No. 418 of 24th Aug. 1892.	
	Madanapalle.	Avalakonda ...	...		7,700		7,700	..	No. 419 of 24th Aug. 1892.	
	Proddatur.	Yamavaram ...	..		1,600	..	1,600		No. 434 of 5th Sept. 1892.	
	Vayalpad.	Bhakarapet ...	...		10,600		10,600	..	No. 474 of 5th Oct. 1892.	
		Talakonda ...	..		18,900	...	18,900	...	No. 498 of 14th Oct. 1892.	
	Sidhout ...	Vontimitta		...	4,500	..	4,500		No. 509 of 2nd Nov. 1892.	
	Vayalpad and Madanapalle.	Nurukuppalakonda.			8,461		8,461	...	No. 511 of 1st Nov. 1892.	
	Madanapalle.	Tavalam			8,450		8,450		No. 513 of 2nd Nov. 1892.	
	Pulivendla and Kadiri.	Dorigallu	...		24,032	...	24,032	...	No. 514 of 31st Oct. 1892.	
		Gorivikanama ...	...	...	30,560	...	30,560		No. 518 of 7th Nov. 1892.	
	Proddatur.	Kondasunkerla ...	..	..	2,612	...	2,612		No. 523 of 7th Nov. 1892.	
	Madanapalle.	Horsleykonda Mudimadugu.	..	...	15,500		15,500	..	No. 574 of 28th Nov. 1892.	
	Ráyachóti, Vayalpad.	Urukonda		...	7,986		7,986		No. 576 of 28th Nov. 1892.	
	Cuddapah.	Gonumakalapalli ..	...		1,280		1,280	...	No. 578 of 28th Nov. 1892.	
	Kadiri	Somarazumala East.		..	910		910	...	No. 579 of 28th Nov. 1892.	
	Proddatur.	Kosinepallo ...	...		4,300		4,300	...	No. 591 of 12th Dec. 1892.	
	Sidhout, Badvel and Cuddapah.	Lankamalais ...	...	...	6,9760	...	69,760	..	No. 594 of 6th Dec. 1892.	
	Proddatur.	Malamidakambaladinne.	...	...	2,120		2,120		No. 598 of 7th Dec. 1892.	
	Rájampét and Sidhout.	Kothur	..	...	12,160	...	12,160		No. 599 of 12th Dec. 1892.	
	Cuddapah.	Tummalur ...	...	...	1,450	...	1,450	...	No. 600 of 12th Dec. 1892.	
	Madanapalle and Vayalpad.	Tarigonda ...			6,831	..	6,831	...	No. 8 of 7th Dec. 1892.	
	Kadiri ...	Tummalamala ...	...	..	8,210	..	8,210		No. 9 of 19th Dec. 1892.	
	Madanapalle.	Tsadukonda... ..	..	..	15,023		15,023		No. 39 of 19th Jan. 1893.	
	Vayalpad.	Sorrakayalapet ...	...	...	2,832	..	2,832	..	No. 111 of 23rd Feb. 1893.	
	Proddatur.	Pennér ...	...	..	520	...	520		No. 132 of 6th March 1893.	
	Sidhout ...	Konarazupalle	...	..	9,696	..	9,696		No. 140 of 17th March 1893.	
		Ramapuram ...	...	...	5,300	..	5,300	...	No. 141 of 17th March 1893.	
		Total ...	265,171	414·33	352,603	...	617,774	965·27		
Chingleput.	Tiruvallúr.	Kambakkam ...	14,951	...	..	.	14,951	...	.. ...	
		Sathiavedu ..	6,859	..	...	...	6,859	...	....	
		Ambakkam ..	5,259	...	..	...	5,259	...	.....	
		Aradur .. .	2,680	...	.	..	2,680	...	.. ..	
		Kadur	2,494	...	...	...	2,494	...	....	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
Chingleput—*cont.*	Tiruvallúr—*cont.*	Ugumudi ..	2,874	...	...	...	2,874	...	...	
		Allikuli . .	5,649	...	...	...	5,649	...	...	
		Nagalapuram .	8,345	...	...	...	8,345	.	. .	
		Palavakkam .	2,511	...	...	...	2,511	...	...	
		Pulrambakkam ..	577	...	...	...	577		. .	
		Mylapore .	930	...	...	...	930	...	. .	
		Vembedu ..	1,075	...	...	...	1,075	...	.....	
		Alamadi	1,263	...	...	...	1,263	...	.....	
		Vengathur	312	...	...	...	312		.....	
		Tirukkalukunram ..	697	...	...	...	697	...	.....	
		Oragadam .	540	...	...	...	540		.....	
		Madayathur ...	697	...	...	.	697	...	.....	
		Vallam . ..	1,328	...	...	...	1,328	...	.....	
		Nemali	633	...	...	...	633	.	.....	
		Anjur	1,514	...	...	...	1,514	..	.....	
		Alapakkam, A and B.	486	..	...	..	486	.	.....	
		Tirumani	639	...	...	...	639	..	.....	
		Vandalur	3,207	...	...	...	3,207	...	.....	
		Sonkunram	1,232	...	...	...	1,232	...	.....	
		Kolathur *alias* Appur	1,449	...	...	.	1,449	..	.....	
		Venkatapuram ...	119	...	...	...	119	...	.....	
		Tiruteri . ..	272	...	...	...	272	..	.....	
		Paranur	378	...	...	...	378	. .	.....	
		Kotankolattur ...	535	...	...	...	535	...	.....	
		Kavanur	569	...	...	...	569	...	.....	
		Siruvanjur	465	...	...	...	465	...	.....	
		Orathur	312	...	...	...	312	...	.....	
		Vattambakam ...	694	...	...	...	694	...	.....	
	Chingleput.	Vadakupattu ...	795	...	...	...	795	...	.....	
		Kuttrambakam, A ..	126	...	...	...	126	.	.....	
		Do. B...	205	...	...	...	205	...	.....	
		Puduppur	375	...	...	...	375	...	... .	
		Manuur	570	...	...	...	570	...	.....	
		Nallur	937	...	...	...	937	...	.....	
		Maganiyam ...	946	...	...	...	946	...	.....	
		Kalvayi	138	...	...	...	138	..	.....	
		Kolathur	1,909	...	...	...	1,909	...	.....	
		Kayar	642	...	...	...	642	...	.....	
		Taiyur	1,084	..	...	...	1,084	...	.....	
		Sonallur	1,107	...	...	...	1,107	...	.. ...	
		Unamanjeri ...	750	...	...	...	750	..	.. ...	
		Kumili	690	...	...	...	690	...	.....	
		Kottur	2,960	...	...	...	2,960	...	.....	
		Alathur	488	...	...	...	488	..	... ..	
		Illalur	692	...	...	...	692	...	.....	
		Sirukunram, A ...	869	...	...	...	869	...	.....	
		Do. B ...	378	...	...	...	378	...	.....	
		Hanumantaputteri...	286	...	...	...	286	...	.....	
		Tandrai	664	...	...	...	664	...	.....	
		Pulikaradu	176	...	...	...	176	...	.....	
		Tambaram	262	...	...	...	262	...	.....	
		Kadapperi	227	...	...	...	227	...	.....	
		Selaiyur	498	...	...	...	498	...	.....	
		Maduraipakkam ...	351	...	...	...	351	...	.....	
		Nanmangalam ...	328	...	...	...	328	...	.....	
		Erumaiyur	192	...	...	.	192	...	.....	
		Arasankalnai ...	185	...	...	...	185	...	.....	
	Saidapet.	Perumbakkam, A ...	636	...	...	...	636	...	.....	
		Do. B ...	117	...	...	...	117	..	.....	
		Maiyur	534	...	...	...	534		.....	
		Kovilpidagai ...	377	...	...	...	377	...	.....	
		Sikkarayapuram ...	93	...	...	...	93	...	.....	
		Kuttambakam ...	300	...	...	...	300	...	.....	
		Mittamalai	267	...	...	...	267	..	.....	
		Tirumalavayal ...	386	...	...	...	386	...	.....	
		Nandambakkam ...	259	...	...	...	259	...	.....	
		Tirusulam	260	...	...	...	260	...	.....	
	Tiruvallúr.	Budur	...	...	86	...	86	..	No. 92 of 9th Feb. 1893.	
		Kuvukolli	...	...	228	...	228	...	No. 84 of 6th Feb. 1893.	
		Nelvoyi	...	...	161	...	161	...	No. 34 of 16th Jan. 1893.	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
Chingleput—*cont.*	Tiruvallúr—*cont.*	Kolathur ...	...	...	212	..	212	...	No. 87 of 9th Feb. 1893.	
		Nayapakkam, B. ...	...	...	163		163		No. 86 of 9th Feb. 1893.	
		Do. C. ...	...	...	105		105	...	No. 94 of 9th Feb. 1893.	
		Attantangal ...	...	..	268	...	268	...	No. 109 of 24th Feb. 1893.	
		Kavalur	...	...	230	...	230	...	No. 85 of 6th Feb. 1893.	
		Kurivithittoo ..	...	.	300	...	300	..	No. 112 of 24th Feb. 1893.	
		Peria Obalapuram	...	...	66	...	66	...	No. 90 of 9th Feb. 1893.	
		Siruvalipettai, B. ...	..	...	54		54	..	No. 93 of 6th Feb. 1893.	
	Chingleput.	Mambakkam — ...	...	...	726		726	.	No. 89 of 9th Feb. 1893.	
		Gudalur ..	...	...	2,744	...	2,744	..	No. 441 of 7th Sep. 1892.	
		Total .	93,604	146·26	5,343	.	98,947	154·60		
North Arcot.	Chittoor.	Paradarami ...	15,043	..		...	15,043	..	.	
		Pachigunta	1,800	..		.	1,800	...	..	
		Kinatipalli .	1,417	...	..	...	1,417	...	.....	
		Cheelapalli	1,296	...	.	..	1,296	...	...	
		Santhapet .. .	2,096	..	.	...	2,096	...	..	
		Basavapalli, A and B.	1,937	..	...		1,937	..	.....	
		Mahimandalam	2,516		...	...	2,516	...	.	
	Chittoor and Chandragiri.	Penamur ...	2,097	...	..	...	2,097	...	.	
	Chandragiri.	Napier Reserve ...	8,772		..	.	8,772	...	...	
		Mamundur ...	1,776	..	...	...	1,776	.	... ..	
		Chamala	9,600	...		..	9,600	.	.....	
		Panapauk	6,400		.	...	6,400	...	.....	
		Pudipatla Bail ...	2,560	...	...	...	2,560	...	..	
		Gazulamandiem . .	250	...	...	...	250	...	.....	
		Mamandur Extension	8,000	.		..	8,000	...	.....	
		Tirupati Hill ...	16,000			...	16,000	. .	.....	
		Musalimadugu ...	9,600	...	...	...	9,600	...	. ...	
		Basvireddipalle ..	10,240	...	...	...	10,240	..	. ...	
		Peddur	9,600	...	...	...	9,600	...	.....	
	Palmanér.	Palmanér Tope	2	.	...	...	2	..	.....	
		Nagamangalam .	31	.	...	..	31	...	..	
		Peduguvaripalle ...	20	.	...	...	20	...	....	
		Venkatagirikota ...	4	...	...	...	4	...	...	
		Byreddipallo ...	4	...	..		4	...	....	
		Charagallu ...	18,911	..	...	.	18,911	...	.....	
	Palmanér and Gudiyátam.	Mordana	23,800	..	...	...	23,800	...	.....	
		Naickaneri	6,400	...	...	..	6,400	...	.....	
	Gudiyáttam.	Ambur Drug	5,760	.	...	...	5,760	...	.....	
		Tiruvallam Plantation	435	...	...	..	435	...	.. ...	
		Virinjipuram do.	260	...	...	...	260	...	.....	
		Cheynur Tope ..	130	..	...	...	130	...	.....	
		Amundi Plantation.	160	...	...	...	160	...	.. ...	
		Tandrayagunta Tope.	2	.	...	...	2	...	.....	
		Vikramasi	161	...	...	...	161	..	.....	
		Naickaneri Extension	1,280	..	...	...	1,280	..	.....	
	Vellore.	Ambur Fuel Coupe.	3,840	...	...	...	3,840	...	.....	
		Palamadi	6,400	...	...		6,400	...	.....	
		Ambur Tope ...	5	..	...	...	5	...	.....	
	Polur ...	Carnatic Ghur ...	7,069	...	...	...	7,069	...	.....	
		Ammerdi Plantation.	25	...	...	...	25	...	.. ...	
		Puthur ...	12,800	...	...	...	12,800	...	.... .	
		Kappalur	1,114	...	...	...	1,114	...	.	
		Patrakad	19,200	...	...	..	19,200	...	.....	
		Virappanur	64,000	...	...	...	64,000	...	.....	
		Kelur	2,866	...	...	...	2,866	...	.....	
		Malayalam	11,462	..	...	..	11,462	...	. ....	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Central Circle—*cont.*								
North Arcot —*cont.*	Vellore and Polur.	Thellai	15,121	...	...	...	15,121	...	.....	
	Arcot ...	Punganúr	3,743	...	...	..	3,743	...	.....	
		Kilminnel Plantation.	150	...	...	...	150	...	.....	
		Sennaleri	1,675	...	...	...	1,675	...	.....	
		Sattur	709	...	...	...	709	...	.....	
		Tandapantangal ...	1,092	...	...	...	1,092	...	.....	
		Enadavadi	1,565	...	...	...	1,565	...	.....	
	Walajapet.	Vannivedu Plantation.	30	...	..	...	30	...	.....	
		Arkonam Sub-Magistrate's Office compound.	5	...	...	...	5	...	.....	
		Arkonam Tope ...	37	...	...	...	37	...	.....	
		Gudalur	535	...	...	...	535	...	.....	
		Anantapuram or Uriyur.	540	...	...	...	540	...	.....	
		Ammanur	203	...	...	...	203	...	.....	
		Banavaram	1,051	...	...	...	1,051	...	.....	
	Wandiwash.	Brammakateri ...	635	...	...	...	635	...	.....	
		Kodiyalam	125	...	...	...	125	...	.....	
		Badur	783	...	...	...	783	...	.....	
		Vengunam	1,288	...	...	...	1,288	...	.....	
		Nambedu	707	...	..	...	707	...	.....	
		Vishamangalam ...	1,148	...	...	...	1,148	...	.....	
	Chittoor.	Chittapara	...	...	4,250	...	4,250	...	No. 119 of 18th March 1892.	
		Virisettipalle, A ...	...	...	5,464	...	5,464	...	No. 295 of 21st June 1892.	
		Do. B ...	...	...	1,823	...	1,823	...	No. 301 of 21st June 1892.	
		Irala	...	...	16,122	...	16,122	...	No. 22 of 10th Jan. 1893.	
		Bommasamudram ...	...	...	1,242	...	1,242	...	No. 597 of 13th Dec. 1892.	
		Vavilitota	...	...	2,495	...	2,495	...	No. 19th of 2nd Jan. 1893.	
		Tavanampalle ...	...	...	2,060	...	2,060	...	No. 597 of 13th Dec. 1892.	
		Putalapattu ...	...	...	2,917	...	2,917	...	No. 106 of 24th Feb. 1893.	
	Palmanér ...	Pednaigdrug ...	...	...	12,760	...	12,760	...	No. 524 of 8th Nov. 1892.	
	Gudiyáttam.	Pallelakuppam ...	...	...	6,212	...	6,212	...	No. 108 of 20th Feb. 1893.	
		Paradarami Extension.	...	...	1,900	...	1,900	...	No. 139 of 4th April 1892.	
		Synagunta	...	...	6,400	...	6,400	...	No. 445 of 13th Sept. 1892.	
		Mordana Extension.	...	...	9,598	...	9,598	...	No. 296 of 22nd June 1892.	
		Panamadugu ...	...	...	9,340	...	9,340	...	No. 91 of 29th Feb. 1892.	
	Vellore ...	Attiyur	...	...	4,808	...	4,808	...	No. 238 of 16th May 1892.	
	Poluru ...	Áliyalamangalam ...	...	...	10,027	...	10,027	...	No. 310 of 22nd June 1892.	
	Arcot ...	Solavaram	...	...	1,143	...	1,143	...	No. 118 of 27th Feb. 1892.	
	Walajah	Kolathur	...	...	1,729	...	1,729	...	No. 89 of 5th March 1892.	
		Ammur	...	...	5,982	...	5,982	...	No. 311 of 22nd June 1892.	
	Wandiwash.	Ponnur	...	...	769	...	769	...	No. 327 of 22nd June 1892.	
		Nedungal	...	...	3,580	...	3,580	...	No. 512 of 1st Nov. 1892.	
		Nedunganam ...	...	...	1,697	...	1,697	...	No. 78 of 23rd Feb. 1892.	
		Total ...	328,283	512·94	112,318	...	440,601	688·44		

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		CENTRAL CIRCLE—*cont.*								
South Arcot.	No. I, Tiruvannámalai.	Annamalai	2,640	..	.	...	2,640	...	.....	
		Chinnasamudram ...	3,769	...	...	...	3,769	...	.....	
		Mudenai	6,464	...	...	...	6,464	...	. ..	
		Perungolatur Swamimalai.	9,312	...	...	...	9,312	...	.. ...	
		Anandavadi ...	8,672	..	...	...	8,672	...	.....	
		Kavuttumalai ...	10,032	...	...	...	10,032	...	.....	
		Tippakadu	4,442	.	...	...	4,442	...	.....	
	No. II, Tindivanam.	Suruvadi	4,608	...	...	...	4,608	...	.....	
		Muttakadu	4,053	...	...	...	4,053	...	.....	
		Karai	1,697	...	...	...	1,697	...	.....	
		Agaram	600	...	...	...	600	...	.....	
		Merkanam	80	.	...	...	80	...	.....	
		Kurumbaram, 2nd Bit.	192	...	...	...	192	...	.....	
		Kumalampatti ...	1,201	...	...	...	1,201	...	.....	
		Sevur	1,200	...	...	...	1,200	...	.....	
		Panchalam	1,120	..	...	...	1,120	...	.....	
		Venmaniyattur ...	486	..	...	...	486	...	.....	
		Peradikuppam ...	729	..	...	.	729	...	.....	
		Akkur	1,350	...	...	...	1,350	...	.....	
		Saram	243	..	...	...	243	...	.....	
		Salavadi	64	..	...	...	64	...	.....	
		Jakkampettai ...	300	...	...	...	300	...	.....	
		Adikuppam	150	...	...	...	150	...	.....	
		Akshikadu	450	.	...	...	450	...	.....	
	No. III, Villupuram.	Gangavaram ...	13,276	..	...	...	13,276	...	.....	
		Nabob's Tope ...	67	...	...	·2	65	...	No. 35 of 11th Jan. 1893.	Disafforested.
		Vakkur	384	...	...	...	384	...	.....	
		Vikravándi ...	256	..	...	...	256	...	.. ...	
		Satanur, 1st Bit ...	204	...	...	...	204	...	.....	
		Narasinganur ...	428	...	...	...	428	...	.....	
		Gundalapuliyur ...	940	...	...	...	940	...	.....	
		Karanai	128	...	...	...	128	...	.....	
		Adanur	1,491	...	...	...	1,491	...	.....	
		Ariyalur	1,036	...	...	...	1,036	...	.....	
		Valudareddi ...	260	...	...	...	260	...	.....	
		Melkondai	480	...	...	...	480	...	.....	
		Sattanur, 2nd Bit ...	320	...	...	...	320	...	.....	
		Turinjikadu ...	853	...	...	...	853	..	.....	
	No. IV, Cuddalore.	Vellakarai	1,568	...	...	...	1,568	...	.....	
		Valudalampattu ...	908	...	...	...	908	...	.....	
		Sammattikuppam ...	364	...	...	...	364	...	.. ...	
		Marungur	224	...	...	...	224	...	.....	
		Vegakottai	480	...	...	...	480	...	.....	
		Vadakottu	3,084	...	...	...	3,084	...	.....	
		Valudayampattu ...	1,536	...	...	...	1,536	...	.....	
		Kangiruppu, 1st Bit.	2,956	...	...	...	2,956	...	... .	
		Velankuppam ...	1,094	...	...	...	1,094	...	.....	
		Shonankuppam ...	140	...	...	...	140	...	.....	
		Fort St. David ...	44	...	...	...	44	...	.....	
		Talankoda	217	...	...	...	217	...	.....	
		Sillambanadampettai.	780	...	...	...	780	...	.....	
		Nochikadu	640	...	...	...	640	...	.....	
		Peramattur	1,036	...	...	...	1,036	...	.....	
		Kangiruppu, 2nd Bit.	2,519	...	...	...	2,519	...	.....	
	No. V, Tirukkóyilúr.	Velur	1,670	...	...	...	1,670	...	.....	
		Kuttadi	1,700	...	...	...	1,700	...	.....	
	No. I, Tiruvannámalai.	Tenmalai	...	...	50,428	...	50,428	...	No. 323 of 12th July 1892.	
		Pelamarudur ...	...	...	9,148	...	9,148	...		
		Nallattupattu ...	...	...	6,748	...	6,748	...	No. 324 of 12th July 1892.	
	No. II, Tindivanam.	Kurumpuram, 1st Bit	...	...	500	...	500	...	No. 107 of 11th Mar. 1892.	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
South Arcot —*cont.*	No. III, Villupuram.	Panampattu ...	...	...	600	...	600	...	No. 205 of 11th May 1892.	
		Kappiyampuliyur ...	...	...	660	...	660	...	No. 381 of 13th Aug. 1892.	
		Gangarampalaiyam.	...	...	435	...	435	...	No. 520 of 8th Nov. 1892.	
		Pulanjimalai ...	...	...	600	...	600	..	No. 589 of 12th Dec. 1892.	
	No. IV, Cuddalore.	Ramapuram ...	...	...	1,730	...	1,730	...	No. 346 of 1st Aug. 1892.	
		Doni Durai	...	...	100	...	100	...	No. 516 of 8th Nov. 1892.	
	No. IV, Chidambaram.	Killai	...	...	1,160	...	1,160	...	No. 447 of 13th Sept. 1892.	
		Periyapattu ...	...	...	1,130	..	1,130	..	No. 475 of 5th Oct. 1892.	
		Wallajah	...	...	2,770	...	2,770	...	No. 580 of 28th Nov. 1892.	
		Pichavaram ...	...	...	2,489	...	2,489	...	No. 32 of 16th Jan. 1893.	
	No. V, Tirukkoilúr.	Pandur	...	...	955	...	955	...	No. 106 of 11th March 1892.	
		Adukkam	...	...	2,000	...	2,000	...	No. 131 of 21st March 1892.	
		Nattamur, 2nd Bit...	...	...	3,800	...	3,800	...	No. 133 of 22nd March 1892.	
		Do. 1st Bit...	...	...	4,500	...	4,500	...	No. 140 of 8th April 1892.	
		Swamimalai, 2nd Bit	...	...	5,330	...	5,330	...	No. 185 of 6th May 1892.	
		Edakkal	...	...	3,390	...	3,390	...	No. 211 of 10th May 1892.	
		Perichanur	...	...	650	..	650	...	No. 234 of 26th May 1892.	
		Sirupakkam ...	...	...	1,080	...	1,080	...	No. 256 of 10th June 1892.	
		Sidevi	...	..	2,800	...	2,800	...	No. 534 of 16th Dec. 1892.	
		Nayanur	...	...	1,800	...	1,800	...	No. 561 of 25th Nov. 1892.	
		Attipakkam ...	...	...	4,500	...	4,500	...	No. 11 of 13th Dec. 1892.	
		Alwarmalai	...	...	8,800	...	8,800	...	No. 120 of 27th Feb. 1893.	
	No. VI, Kallakurchi.	Kanai	...	...	2,220	...	2,220	...	No. 260 of 10th June 1892.	
		Kottalamalai ...	...	...	2,880	...	2,880	...	No. 293 of 22nd June 1892.	
		Mullapuram ...	...	...	1,025	...	1,025	...	No. 263 of 10th June 1892.	
		Rangappanur ...	...	...	2,200	...	2,200	...	No. 444 of 12th Sept. 1892.	
	No. VII, Vriddhachalam.	Kuppanattam ...	...	...	840	...	840	...	No. 431 of 7th Sept. 1892.	
		Narasingamangalam.	...	...	835	...	835	...	No. 435 of 7th Sept. 1892.	
		Nangur	...	...	1,625	...	1,625	...	No. 455 of 23rd Sept. 1892.	
		Kattumylur ...	...	...	1,587	...	1,587	...	No. 460 of 23rd Sept. 1892.	
		Parur	...	...	2,660	...	2,660	...	No. 563 of 28th Nov. 1892.	
		Kottanur	...	...	3,880	...	3,880	...	No. 596 of 12th Dec. 1892.	
		Veppur	...	...	3,800	...	3,800	...	No. 104 of 13th Feb. 1892.	
		Total ...	104,937	163·96	141,655	2	246,590	385·30		

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks
	Central Circle—*cont.*									
Tanjore.	Southern Range.	Block No. 2, Maltottam, Eastern Block.	10	...		...	10	...	.....	
		Block No. 3, Maltottam, Western Block.	8		...	...	8	...	.. ...	
		Manakadu ...	120	...	...	...	120	..	.....	
		Talanayar	2,000	..	...	...	2,000	...	... ..	
		Tillaivilagam ...	320	..	...	...	320	..	.. ...	
		Nadur, No. 2 ...	200	..	...	...	200		.....	
		Thatchankurichi ...	320	..	...	...	320	...	.. .	
		Veralipatti, North Block.	145	...	...	...	145	..	...	
		Veralipatti, South Block.	234	...	...	...	234	...	.....	
		Kallupatti	85	..	...	...	85	..	.....	
		Kollangarai	458	...		..	458		.. ...	
		Puttur, No. I ...	191	...	...	..	191	...	...	
		Nadur, No. I ...	1,000	...	...	..	1,000	...	.. ..	
		Puttur, No. II ...	119	...		...	119	...	... .	
	Northern Range.	Northern Casuarina.	350	...	..	...	350	..	....	
		Southern do.	250	..	...	...	250	...	.....	
		Nejdavasal	42	.	.	...	42	...	.....	
		Elantope	17	.	.	.	17	...	.....	
	Southern Range.	Kodiyakadu ...	...	.	4,204		4,204		No. 188 of 4th May 1892.	
		Edangankottai ...	.	...	194	...	194	...	No. 51 of 27th Jan. 1892.	
		Total ...	5,869	9·17	4,398	...	10,267	16·04		
Trichinopoly.	Trichinopoly.	Tuvakudi	1,438	..	...	...	1,438	...	...	
	Kulitalai.	Elamanur	117	...	..	...	117	...	. .....	
		Pottavoitalai ...	137		..	...	137	...	.....	
		Kulitalai	77	. .	...	...	77	...	.	
		Manatattai	45	..	...	...	45	...	.....	
		Lalapet	268		...	...	268	...	.....	
		Sittalavoi	160	.	...	..	160	..	.....	
		Kattalai ..	75	.	...	...	75	...	... .	
		Tainimalai	464	...	..	...	464	..	.....	
		Minnakaradu . .	98	..	...	..	98	...	. .....	
		Panjantanji ...	1,543	...	...	...	1,543	..	.....	
		Viramalai Hills ..	5,472	.	...	...	5,472	...	.....	
		Poiyapetti do. ..	639	...	...	..	639	...	.....	
		No. I, Shenmalai .	2,477	...	...	. .	2,477	...	.....	
		Pakkiri Karadu ...	65	.	...	...	65	...	...	
		Puttanatam Range comprising Karumalai, Palamalai and Nedumalai.	705	.	...	...	705	...	. ... —	
		Surpam Range ...	1,403	..	...	...	1,403	..	.....	
		Mathalamalai .	465		...	..	465	.	.. ..	
		Maradur	180	...	...	...	180	..	.....	
		Mayanur	50	...	..	...	50	...	. ...	
		No. II, Shenmalai ...	1,593	.	...	..	1,593	...	.....	
		Sigam Karudu ...	714	...	...	...	714	. .	.....	
		Panjantangi Hill Valley.	286	.	...	...	286	...	.....	
	Musiri ..	Sengattupatti ...	3,000	...	...	...	3,000	...	.....	
		Melur	3,000	...	...	...	3,000	...	.....	
		Kaliammankoil Tittu.	1,500	...	...	..	1,500	...	.....	
		Karuppankadu do.	2,000	...	...	. .	2,000	...	.....	
		Kanapadi Kannimar Solai.	2,560	..	..	...	2,560	...	.....	
		Kanapadi Thenparanad.	12,021	...	...	...	12,021	. .	. ...	
		Palamalai	10,000	...	...	.	10,000	...	.....	
	Perambalúr.	Manalodai	4,000	..	...	.	4,000	...	.....	
		Solamatte	7,000	...	...	...	7,000	...	.....	
		Selaiyur ...	1,600	...	...	...	1,600	...	.....	
		Puliyur	10,000	...	...	...	10,000	.	.....	
		Semmalai	5,000	...	...	...	5,000	. .	... ..	
		Sengattur	10,000	...	...	..	10,000	...	... .	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
Trichinopoly—*cont.*	Udaiyárpálaiyam.	Adanakurichi ...	250	...	...	.	250	...	.....	
		MalanganKudiyiruppu	150	...	...	...	150	...	.....	
		Tennamanallur ...	10	...	...	...	10	...	.....	
		Velakkurichi ...	48	...	...	...	48	...	.....	
		Sittidaiyar	53	...	...	...	53	...	.....	
		Pasikkulam ...	100	...	...	...	100	..	.....	
		Periakkurichchi ...	147	...	...	..	147	...	.....	
		Sattambadi	1,000	...	...	...	1,000	...	.....	
		Kolamanikkam ...	236	...	...	...	236	...	.....	
		Vettiyarpattu, Nos. I and II.	620	...	...	...	620	...	.....	
		Aramanaikkurichchi.	91	...	...	...	91	..	... ..	
		Sundaresvarapuram.	150	...	...	...	150	...	... ..	
		Ambappur	200	...	...	...	200	...	.....	
		Ulliyakkudi ...	196	...	...	...	196	...	.....	
		Alavayi	300	...	...	...	300	...	.....	
		Annangarpottai ...	57	...	...	...	57	...	.....	
		Mudukkalam ...	1,197	...	...	...	1,197	...	.....	
		Periavalayam ...	985	...	...	...	985	...	....	
		Vilangudi	900	...	...	...	900	...	.....	
		Ayyur	1,400	...	...	...	1,400	..	.....	
		Varappanakurichchi.	190	...	...	...	190	...	.....	
		Sripurandan, Bit No. I.	457	...		..	457	...	.....	
		Kovilur	700	...	...	...	700	...	..	
		Jayankondasholapuram, No. I.	150	...	...	...	150	...	.....	
		Jayankondasholapuram, No. II.	290	...	...	...	290	...	.....	
		Kanguli	800	...	...	...	800	...	.....	
		Vena Nallur ...	197	...	...	...	197	...	.....	
		Tirukkonam ...	650	...	...	...	650	...	.....	
		Koddukkur ...	92	...	...	...	92	...	.....	
		Kulumur	200	...	...	...	200	...	.....	
	Kulitalai ...	Karuppur Reddiyapatti.	...	...	3,600	...	3,600	...	No. 171 of 27th April 1892.	
	Musiri ...	Vannad Kanapadi ...	...	...	10,000	...	10,000	...	No. 45 of 19th Jan. 1892.	
		Manmalai	...	...	6,000	...	6,000	...	No. 184 of 4th May 1892.	
	Udaiyárpalaiyam.	Karaipakkam ...	...	...	83	...	83	...	No. 122 of 18th Mar. 1892.	
		Tiruvenganur ...	...	...	136	...	136	...	No. 118 of 18th Mar. 1892.	
		Sattambadi... ...	...	...	179	..	179	...	No. 123 of 18th Mar. 1893. No. 401 of 19th Aug. 1892.	
		Total ...	101,968	159·33	19,998	...	121,966	190·57		
Salem ...	Salem ...	Bodamalai	5,600	...	...	...	5,600	...	.....	
		Pillapadi	4,992	...	...	...	4,992	...	.....	
		Atur Ghât	3,142	...	...	...	3,142	...	.....	
		Mallapuram Ghât ...	2,285	...	...	...	2,285	...	.....	
		Nartanchedu ...	2,400	...	...	...	2,400	..	.....	
		Vaniyar	4,512	.	...	...	4,512	...	.....	
		Kutar	3,795	...	...	...	3,795	...	.....	
		Manjavadi Ghât ...	8,461	...	...	...	8,461	...	.. ...	
		Mallapuram Ghât Extension.	640	...	...	...	640	...	.....	
		Ajjampati	1,920	...	. .	...	1,920	...	.....	
		Nartanchedu Extension.	1,088	...	...	...	1,088	...	.. ...	
		Yerimalai	3,520	...	...	...	3,520	...	.. ...	
		Kanavoipudur ...	3,200	..	...	...	3,200	...	.... .	
		Lokur	5,312	...	...	..	5,312	...	.....	
		Pillapalli Kombai, New.	2,080	...	...	...	2,080	...	.....	
		Atur Ghât Extension.	544	...	...	...	544	...	.....	
		Kanjeri, New ...	4,032	...	...	...	4,032	...	.....	
		Pannikaradu ...	4,832	...	...	...	4,832	...	.....	
		Mallapuram ...	589	...	...	...	589	...	.....	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
Salem—*cont.*	Salem—*cont.*	Karuvattuparai	1,800	...	...	...	1,800	...	.....	
		Gundakal	4,000	...	...	...	4,000	...	.....	
		Vannvasi	9,000	...	...	...	9,000	...	.....	
		Manakonda	5,500	...	...	...	5,500	...	.....	
		Puliyankidai	1,000	...	...	...	1,000	...	.....	
		Mattikottai]	3,500	...	...	...	3,500	...	.....	
		Punjamadevi	2,500	...	...	...	2,500	...	.....	
		Godumalai	7,000	...	...	...	7,000	...	.....	
		Jalluttur	12,000	...	...	...	12,000	...	.....	
		Kanjamalai	4,500	...	...	...	4,500	...	.....	
		Mary Land	400	...	...	...	400	...	.....	
	Atur.	Varagur	2,675	...	...	...	2,675	...	.....	
		Nayakenkombai	2,880	...	...	...	2,880	...	.....	
		Bylur	6,880	...	...	...	6,880	...	.....	
		Nagur	3,757	...	...	...	3,757	...	.....	
	Atur and Námakkal.	Karavallikombai	8,755	...	...	...	8,755	...	.....	
	Námakkal.	Jambuttu	2,617	...	...	...	2,617	...	.....	
		Puliyanshola	5,530	...	...	...	5,530	...	.....	
		Pallipatti	8,000	...	...	...	8,000	...	.....	
		Thambakal	7,757	...	...	...	7,757	...	.....	
		Chitteri	3,917	...	...	...	3,917	...	.....	
		Chittilingi	6,880	...	...	...	6,880	...	.....	
	Úttan-karai.	Kottapatti	8,960	...	...	...	8,960	...	.....	
		Puvampatti	4,672	...	...	...	4,672	...	.....	
		Ammapalaiyam	9,216	...	...	...	9,216	...	.....	
		Singarapet	2,624	...	...	...	2,624	...	.....	
		Mallapuram Extension.	400	...	...	...	400	...	.....	
	Tiruppattúr.	Mangalam	6,080	...	...	...	6,080	...	.....	
		Nagaluttur	2,560	...	...	...	2,560	...	.....	
		Mambakam	9,370	...	...	...	9,370	...	.....	
		Punjolam	7,834	...	...	...	7,834	...	.....	
		Mudukaddappu	2,048	...	...	...	2,048	...	.....	
		Jalárpet	1,216	...	...	...	1,216	...	.....	
		Narasingapuram	2,048	...	...	...	2,048	...	.....	
		Kolarpatti	2,016	...	...	...	2,016	...	.....	
		Alangayam	11,520	...	...	...	11,520	...	.....	
	Tiruppattúr and Úttankarai.	Singarapet Extension.	7,398	...	...	...	7,398	...	.....	
	Tiruppattúr & Krishnagiri.	Kotur	3,840	...	...	...	3,840	...	.....	
	Hosúr	Ayyur	5,952	...	...	...	5,952	...	.....	
		Marandahalle	5,824	...	...	...	5,824	...	.....	
		Gulhutti, New	7,942	...	...	...	7,942	...	.....	
		Manchi, New	5,632	...	...	...	5,632	...	.....	
		Jowlagiri	6,016	...	...	...	6,016	...	.....	
		Talle	6,368	...	...	...	6,368	...	.....	
		Naganur	3,200	...	...	...	3,200	...	.....	
		Denkanikota	2,816	...	...	...	2,816	...	.....	
		Toluvabetta	6,919	...	...	...	6,919	...	.....	
		Anchetti	8,832	...	...	...	8,832	...	.....	
		Natrapalaiyam	10,880	...	...	...	10,880	...	.....	
		Biligundla	14,272	...	...	...	14,272	...	.....	
		Kestur	11,616	...	...	...	11,616	...	.....	
		Billikal	11,136	...	...	...	11,136	...	.....	
		Mallahalli	8,928	...	...	...	8,928	...	.....	
		Taggatti	10,432	...	...	...	10,432	...	.....	
	Dharmapuri.	Pennagaram	10,304	...	...	...	10,304	...	.....	
		Morappur	16,640	...	...	...	16,640	...	.....	
		Bianurmalai	11,500	...	...	...	11,500	...	.....	
		Masakal	9,600	...	...	...	9,600	...	.....	
		Perumbalaimalai	12,000	...	...	...	12,000	...	.....	
	Hosúr and Dharmapuri.	Wooddapatti	17,152	...	...	...	17,152	...	.....	
		Gutirayen	15,776	...	...	...	15,776	...	.....	
	Krishnagiri.	Burgur, New	1,920	...	...	...	1,920	...	.....	
		Togarapalli	900	...	...	...	900	...	.....	
	Tiruchengód.	Pakkanad	4,500	...	...	...	4,500	...	.....	
		Suriyamalai	4,650	...	...	...	4,650	...	.....	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		CENTRAL CIRCLE—*cont.*								
Salem—*cont.*	Krishnagiri.	Neralkotta ...	...	...	7,140	.	7,140	...	No. 30 of 16th Jan. 1893.	
	Salem ...	Ramaswamimalai ...	..	...	3,000	...	3,000	...	No. 404 of 18th Aug. 1892.	
		Arasankad ..	...	...	2,500	...	2,500	..	No. 92 of 29th Feb. 1892.	
		Kappathu	...	..	3,500	..	3,500	...	No. 510 of 2nd Nov. 1892.	
		Puduppatti .. .	...	...	7,500	...	7,500	.	No. 90 of 5th Mar. 1892.	
		Sanyasimalai ...	..	...	539		539	...	No. 54 of 27th Jan. 1892.	
	Dharmapuri.	Thoppur .. .	...	...	7,000	..	7,000	...	No. 121 of 15th Mar. 1892.	
		Kesaraguli	.	..	6,400	...	6,400	...	No. 300 of 22nd June 1892.	
		Picklymalai ..	...	...	6,400	...	6,400		No. 261 of 30th May 1892.	
		Bathanavadi ...	...	...	27,000	...	27,000	...	No. 398 of 22nd Aug. 1892.	
	Salem ...	Kudimaduvu ..	...	...	4,307	...	4,307	..	No. 366 of 3rd Aug. 1892.	
	Atur ...	Varagur Extension	...	...	486	...	486	..	No. 254 of 1st June 1892.	
	Uttankarai.	Thombakal Extension.	...	...	3,840	...	3,840	...	No. 265 of 30th May 1892.	
		Nochikuttai ...	...	...	7,917	...	7,917	...	No. 397 of 22nd Aug. 1892.	
		Kalnad	...	..	4,320	..	4,320	...	No. 202 of 10th May 1892.	
		Chitteri Extension...	.	...	2,880	...	2,880	...	No. 255 of 1st June 1892.	
		Veppamputti ...		...	8,640	...	8,640	..	No. 242 of 26th May 1892.	
		Thirthamalai ...		...	11,046	...	11,046	..	No. 519 of 7th Nov. 1892.	
	Uttankarai and Tirupattúr.	Govindapuram	...	...	2,700	..	2,700	...	No. 402 of 22nd Aug. 1892.	
	Hosúr ...	Galigattam	...	...	6,080	.	6,080	...	No. 279 of 13th June 1892.	
		Kestur Extension ...		...	3,600	...	3,600	.	No. 280 of 13th June 1892.	
		Thalli Extension ...	.	...	4,320	...	4,320	...	No. 547 of 25th Nov. 1892.	
		Total ...	487,301	761·41	131,115	...	618,416	966·28		
		Total of the Circle ...	1,555,257	2,430·09	817,140	2	2,372,395	3,706·87		
		SOUTHERN CIRCLE.								
Madura.	I or Cumbum Valley.	*Cumbum Valley, East.*								
		Block No. 1, Kuttinachiar.	640	...	...	...	640	...	.....	
		Block No. 2, Surulipatti.	5,760	...	...	...	5,760	..	.....	
		Block No. 3, Pandaratorai.	300	...	...	...	300	...	.. ...	
		Block No. 4, Vannatiparai.	27,520	...	...	...	27,520	...	... ..	
		Block No. 5, Molagudalur.	1,280	...	...	...	1,280	...	... .	
		Cumbum Valley, West.								
		Block No. 1, Suranganur.	3,616	...	...	...	3,616	...	.. ...	
		Block No. 2, Matchakal.	2,560	...	...	...	2,560	...	.....	
		Tambirankanal ...	256	...	...	...	256	...	.. ...	
		Vikkramangalam ..	3,789	...	...	...	3,789	...	... ..	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
	Southern Circle—*cont.*									
Madura—*cont.*	II or Kodaikánal.	*Palni Hills, Southern Slopes, West.*								
		Block No. 1, Amburivi.	6,400	..	...	...	6,400	...	.....	
		Block No. 2, Sengalvariar.	4,609	...	...	...	4,609	...	.....	
		Block No. 3, Karungaldhonimedu.	1,920	...	...	...	1,920	...	.....	
		Block No. 4, Pambar.	4,243	...	...	...	4,243	...	.....	
		Block No. 5, Adukkam.	3,200	...	...	...	3,200	...	.....	
		Murugamalai ...	6,572	...	...	...	6,572	...	.....	
		Palni Hills, Southern Slopes, East.								
		Block No. 1, Marudanadiar.	6,528	...	...	...	6,528	...	.....	
		Block No. 2, Kadugatadi.	1,280	...	...	...	1,280	...	.....	
		Block No. 3, Arunkanal.	1,920	...	...	...	1,920	...	.....	
		Block No. 4, Arunkanalshola.	32	...	...	...	32	...	.....	
		Block No. 5, Southern Slopes.	25,600	...	...	...	25,600	..	.....	
		Block No. 6, Unjalanchi.	256	..	...	...	256	...	.....	
		Varatharkanal ..	160	..	...	...	160	..	.....	
		Iruttarkanal ...	100	...	...	...	100	...	.....	
		Pambukkalar ...	800	...	...	...	800	...	.....	
	Tandigudi.	Kokkuparai ...	320	...	...	...	320	...	.....	
		Palni Hills, Northern Slopes, East.								
		Block No. 1, Siruvattukadu.	2,279	...	...	...	2,279	..	.....	
		Block No. 2, Northern Slopes.	12,800	...	...	...	12,800	...	.....	
		Block No. 3, Vennilai.	4,800	...	...	...	4,800	...	.....	
		Block No. 4, Kanionkadu.	3,002	...	...	...	3,002	...	.....	
		Block No. 5, Norchiarkad.	200	...	...	...	200	...	.....	
		Block No. 6, Talaiaiandarkovilkad.	30	...	...	...	30	...	.....	
		Palni Hills, Northern Slopes, West.								
		Block No. 1, Pumbarai Vilpatti Valley.	13,587	...	...	...	13,587	...	.....	
		Block No. 2, Velankombai.	1,600	...	...	...	1,600	...	.....	
		Block No. 3, Velankombai Plantation.	54	...	...	...	54	...	.....	
		Block No. 4, Olianathuodai.	3,200	...	...	...	3,200	...	.....	
		Block No. 5, Kukkal.	9,645	...	...	...	9,645		.....	
		Block No. 6, Kudriyar.	10,061	...	...	...	10,061	...	.....	
	Kodaikánal.	*Perumalmalai.*								
		Block No. 1, Perumalmalai.								
		Block No. 2, Thogavarai Shola.	7,386	...	...	...	7,386	...	.....	
		Block No. 3, Talaiarkadu.								
		Block No. 4, Kadamaravu.								

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
Madura —*cont.*	Tandigudi.	*Kallar*								
		Block No. 1, Kallar.	9,600	.	...	...	9,600	...	...	
		Block No. 2, Ariyanuttukanal.	64	.	..		64			
		Block No. 3, Kumangovaimalaikad.	80	...		...	80	.	.	
		Lower Palni Sholas.								
		Block No. 1, Kadavu	64	..	...	.	64	...	.....	
		Block No. 2, Petrankanal.	80		...	..	80	...	.. ...	
		Upper Palni Sholas.								
	Kodaikánal	Block No. 1, Perumalmalai.								
		Block No. 2, Serathankanal.								
		Block No. 3, Tiger Shola.								
		Block No. 4, Kodaikánal.								
		Block No. 5, Gundan and Manavan.								
		Block No. 6, Parappar.	2,316	...			2,316	...	.....	
		Block No. 7, Pannitulam.								
		Block No. 8, Gunden.								
		Block No. 9, Sandanam.								
		Block No. 10, Fort Hamilton.								
		Block No. 11, Mariyan.								
		Upper Palni Plantation.								
		Block No. 1, Gundan Shola (*a*).								
		Block No. 2, Gundan Shola (*b*).	288		47		335	...	No. 142 of 17th Mar. 1893.	
		Block No. 3, Post Office.								
		Block No. 4, Poombarai.								
	III or Kanavoipatti.	Perumalai	9,600	...	...		9,600	.	...	
		Budagudimalai	1,120		.		1,120	..	.	
		Poolamalai ...	800	.	..		800		.. ...	
		Kanavoipatti								
		Block No. 1, Karandamalai.	22,077		...		22,077		.	
		Block No 2, Kuppuravallikuttu.	845	...	..		845	...	.....	
		Block No. 3, Akkamakaradu.	301	...	...	...	301	.	... .	
		Block No. 4, Tenkal.	589	...	...	...	589	.	.....	
		Mudimalai	4,435	..	...	...	4,435	..	.....	
		Aiyalur.								
		Block No. 1, Pilliyarnattam.	5,485		...	...	5,485	...	.. ..	
		Block No. 2, Panjantangi.	7,423		...	..	7,423	.	..	
		Block No 3, Tannirkaradu.	966				966		...	
		Block No 4, Sundamalai.	410	...	...		410		...	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
	Southern Circle—*cont.*									
Madura —*cont.*	IV or Palamedu Range.	Sengattampatti ...	1,600	...	..	...	1,600	...	.....	
		Kaduvakurichi ...	3,200	...	..	...	3,200	...	.....	
		Sirumalai.								
		Block No. 1, Sirumalai	21,786	...	..	...	21,786	.	... ..	
		Block No. 2, Kachchakatti.	1,745	..	..	...	1,745	...	.....	
		Alagar Hill.								
		Block No. 1, Alagar Hill.	16,838	...	...	..	16,838	..	. .	
		Sembulimalai ...	1,600	...	...	...	1,600	...	...	
		Mottamalai	800	.	...	...	800	...	.....	
		Waguttumalai ...	6,089	...	...	...	6,089		.. ...	
		Cumbum Valley, East.								
	I. Cumbum.	VIII. Puvathukaradu	.	...	1,024	..	1,024	...	No. 148 of 20th Mar. 1893.	
		IX. Boothakaradu.	.	...	934	...	934	...	No. 603 of 12th Dec. 1892.	
		Cumbum Valley, West.								
	No. IV Palamedu.	III. Combai		..	3,840	..	3,840	...	No. 517 of 11th Nov. 1892.	
		II. Kiluvamalai ..	...	...	2,000	...	2,000	...	No. 46 of 22nd Jan. 1892.	
		Total ..	298,506	466·41	7,845	...	306,351	478·67		
Tinnevelly.	Nángunéri	Reserve No. 1 ..	31,533	...	.	(a) 2,740	28,793	...	.. ...	
		Teak Tract	284	...	..	...	284	...	.....	
		Block No. I, (a) ...	25,999	...	..	(a) 3,676	22,323	...	...	
	Ambásamudram.	Reserve No. II	91,008	...	...	(a) 23,476	67,532	...	.. .	
		Mullimalai	457	...	...	...	457	...	....	
		Kaliyammankoilpara	309	. .	. .	...	309	...	..	
		Koviladparai" ...	124	...	...	..	124	...	.....	
		Saluparpathai ...	71	..	...	..	71	...	.....	
		Block No. II, (a), (b)...	53,819	...	...	(a) 31,093	22,726	..	.....	
		Kolundamamalai ...	1,540	...	. .	...	1,540	...	... .	
	Tenkási .	Reserve No. III .	18,010	...	...	(a) 436	17,574	...	.....	
		Okaninranpathai ..	85	...	...	...	85	...	.. ...	
		Kavelkattiparambu.	374	..	...	..	374	...	.....	
		Kottamalai .. .	860	..	.	...	860	...	.....	
		Nalankurichi ..	212	...	. .	.	212	...	.....	
		Chinnakadu as defined in Mr. Baber's decision on claims of Inamdar.	2,560	...	...	(a) 1,172	1,388	...	.....	
		Block III, a, b, c, d.	10,643	...	...	(a) 7,127	3,516	..	.....	
	Sankaranayinárkóyil.	Reserve No. IV .	19,738	...	...	(a) 3,700	16,038	...	....	
		Chunnambuparambu	286	...	...	...	286	. .	.....	
		Block No. IV (a) ..	30,714	...	...	(a) 20,218	10,496	...	.....	
		Sayamalai ..	294	...	...	...	294	...	.....	
	Srívilliputtúr.	Reserve No. V.	23,270	...	...	(a) 8,474	14,796	...	.....	
		Unnipattimalai ..	530	...	(a) 20	...	550	...	.....	
		Sappaniparambu ..	376	...	(a) 8	...	384	...	.....	
		Pulpattuparambu .	51	..	..		51	...	... .	
		Martandamparai	135	...	...	...	135	...	.. ..	
		Kottankulam . .	473	...	(a) 77	...	550	...	.....	
		Block V (a) ...	39,874	...	...	(a) 11,702	28,172	...	.....	
		Valaikulamparambu.	1,120	...	(a) 25	..	1,145	...	.....	
	Tinnevelly	Talaiyutu .	890	...	...	...	890	...	....	
		Sivalaperi	213	...	..		213		.. ...	
	Tenkarai.	Pannamparai ..	117	. .	.	.	117	...	. .	
		Kaliyavur .	158	...		..	158	...	.. .	
		Kottamadakikadu	1,279	...	.	...	1,279	...	.....	
		Kongarayakurichi	60	..	...	...	60	...	.....	
		Vallanad Hills ..	4,666	...	...	(b) 7	4,659	...	... ...	

(a) Due to India survey map measurements. (b) Correction of area.

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		SOUTHERN CIRCLE—*cont.*								
Tinnevelly —*cont.*	Ottapidáram.	Virusampatti ...	294	...	...	..	294	...		
		Milavittan	709	...	...	...	709	...		
	Tenkarai ...	Kudiraimoli Teri ...	...	...	13,393	...	13,393	...	No. 309 of 21st June 1892.	
		Total ...	363,135	567·40	13,523	113,821	262,837	410·68		
North Coimbatore.	Satyamangalam.	Gairmallam ...	520	...	...	...	520	...	... ..	
		Vellamundi ...	12,800	...	...	...	12,800	...	.....	
	Talamalai.	Eastern slopes of Nilgiris.	60,800	...	...	...	60,800	...	.....	
		Talamalai	121,600	...	...	...	121,600	...	.....	
	Kollegal.	Chikkailuru ...	53,760	...	...	...	53,760	...	.....	
		Doddasampagai ...	60,800	...	...	...	60,800	...	.....	
		Sennakkalpalayam, 2nd Bit.	...	...	102	...	102	...	No. 325 of 8th July 1892.	
		Sivamalai	...	...	93	...	93	...	No. 345 of 27th July 1892.	
		Undorappatti, 1st Bit	...	...	117	...	117	...		
		Do. 2nd Bit	...	...	148	...	148	...		
		Settipalayam ...	...	...	95	...	95	...	No. 349 of 1st Aug. 1892.	
		Tattanmedu ...	...	...	80	...	80	...		
		Yethilamalai ...	...	...	65	...	65	...		
		Semmadaiparai ...	...	...	36	...	36	...		
		Iyempalayam ...	...	...	116	...	116	...		
		Punjaithalaiyur ...	...	...	58	...	58	...		
		Ganapathipalayam.	...	...	80	...	80	...	No. 350 of 1st Aug. 1892.	
		Selambampalayam...	...	...	164	...	164	...	No. 351 of 1st Aug. 1892.	
		Kongayampalayam.	...	...	177	...	177	...	No. 363 of 11th Aug. 1892.	
		Akkarapalayam, 1st Bit.	...	...	64	...	64	...	No. 399 of 18th Aug. 1892.	
		Akkarapalayam, 2nd Bit.	...	...	87	...	87	...		
		Manakadavu ...	...	...	323	...	323	...	No. 432 of 7th Sept. 1892.	
		Nadukandamedu ...	...	...	218	...	218	...	No. 488 of 7th Oct. 1892.	
		Pullakalipalayam ...	...	...	66	...	66	...	No. 486 of 12th Oct. 1892.	
		Kullakalipalayam ...	...	...	87	...	87	...	No. 575 of 7th Dec. 1892.	
		Vellakovil	...	...	55	...	55	...	No. 497 of 17th Oct. 1892.	
	Erode ...	Ponnapuram, 1st Bit	...	...	272	...	272	...	No. 577 of 28th Nov. 1892.	
		Do. 2nd Bit	...	...	179	...	179	...		
		Kannimarkovil ...	...	...	84	...	84	...	No. 10 of 22nd Dec. 1892.	
		Pudur	...	...	70	...	70	...	No. 20 of 9th Jan. 1893.	
		Attamalai	...	...	646	...	646	...	No. 15 of 10th Jan. 1893.	
		Manmedu	...	...	183	...	183	...	No. 130 of 6th Mar. 1893.	
		Ganapathy	...	...	427	...	427	...	No. 133 of 6th Mar. 1893.	
		Pulikalkaradu ...	...	...	419	...	419	...	No. 134 of 6th Mar. 1893.	
		Tholaithupatti ...	...	...	59	...	59	...	No. 169 of 27th April 1892.	
		Punjakalkurichi ...	...	...	81	...	81	...		
		Inanganur	...	...	212	...	212	...		
		Komarapalayam ...	...	...	112	...	112	...		
		Kakkavadi Pichampatty.	...	...	179	...	179	...		
		Tottiyavady ...	...	...	193	...	193	...	No. 302 of 22nd June 1892.	
		Modakkur	...	...	118	...	118	...		
		Nerur	...	...	131	...	131	...	No. 320 of 9th July 1892.	
		Karavalli	...	...	65	...	65	...	No. 521 of 7th Nov. 1892.	
		Thalapatti	...	...	157	...	157	...	No. 573 of 6th Dec. 1892.	
		Vandanmalai Rangamalai.	...	...	1,708	...	1,708	...		
		Total ...	310,280	484·81	7,526	...	317,806	496·57		

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
South Coimbatore.	No. 1, Tunacadavu and No. 2, Pollachi.	Anamalais No. 1 ...	52,480	...	...	...	52,480	...	.....	
	No. 2, Pollachi.	Do. No. 2 ...	3,140	...	...	...	3,140	...	.....	
	No. IV, Udamalpet.	Do. No. 3 ...	47,360	...	...	...	47,360	...	.....	
	No. II, Pollachi and Udamalpet.	Do. No. 3 ...	133,120	...	...	...	133,120	...	.....	
	No. VII, Bolampatti, and No. VIII, Sholakarai.	Bolampatti Block No. I.	47,680	...	...	...	47,680	...	.....	
	No. VII, Bolampatti.	Bolampatti Block No. II.								
		Bolampatti Block No. III.								
		Tadagam No. IV ...	30,720	...	...	...	30,720	...	.....	
	No. VI, Méttupálaiyam.	Gopanari V	38,200	...	...	...	38,200	...	.....	
		Kompampalaiyam VI								
		Nellitorai VII ...								
		Odanthorai VIII ...	5,880	...	...	...	5,880	...	.....	
		Modur IX	3,600	...	...	...	3,600	...	.....	
	No. VIII, Sholakarai.	Small Sholakarai Reserve.	81	...	...	...	81	...	.....	
		Total ...	362,261	566·03	...	...	362,261	566·03	.....	
Nilgiris.	Mudumalai.	Benne	11,068	...	...	...	11,068	...	.....	
		Gadsbrook	230	...	...	...	230	...	.....	
		Cherambadi ...	1,983	...	...	...	1,983	..	.....	
		Ammankaval ...	563	...	...	...	563	...	.....	
	Sigur ...	Kalhatti Slopes ...	8,983	...	...	...	8,983	...	.....	
		Ebanad	571	...	...	...	571	...	.....	
		Moyar	13,580	...	...	...	13,580	...	.....	
		Northern Hay ...	3,998	...	...	...	3,998	...	.....	
		Naduvattam ...	3,411	...	...	..	3,411	...	.....	
	Ootacamund.	Marliamund Plantation.	17	...	...	...	17	...	.....	
		Aramby	430	...	...	...	430	...	.....	
		Marliamund ...	194	...	...	...	194	...	.....	
		Cairn Hill	559	...	...	...	559	...	.....	
		Brooklands	177	...	...	...	177	...	.....	
		Lovedale	296	...	...	...	296	...	.....	
		Craigmore	299	...	...	...	299	...	.....	
		Dodabetta ...	991	...	...	...	991	...	.....	
		Snowdon	1,053	...	...	...	1,053	...	.....	
		Jakuntha	373	...	...	...	373	...	.....	
		Muthanad	420	...	...	...	420	...	.....	
		Governor's Shola ...	2,671	...	...	...	2,671	...	.....	
		Pykara	1,309	...	...	...	1,309	...	.....	
		Sandynullah ...	818	...	...	...	818	...	.....	
		Kengodu	451	...	...	...	451	...	.....	
		Karpakan	391	...	...	...	391	...	.....	
		Nadiwattam Sholas	1,501	...	...	...	1,501	...	.....	
		Vellingiri	643	...	...	...	643	...	.....	
		Kadcoopa	1,622	...	...	...	1,622	...	.....	
		Mukurti	8,953	...	...	...	8,953	...	.....	
		Kundahs	40,521	...	...	142	40,379	...	No. 564 of 16th Nov. 1892.	Disafforested.
		Mikkeru	1,267	...	...	...	1,267	...	.....	

Area of Reserved Forests, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
Southern Circle—*cont.*										
Nilgiris—*cont.*	Ootacamund—*cont.*	Thia Shola	1,551	...	...	...	1,551	...	.....	
		Hiriya Shigi ...	2,175	...	...	...	2,175	...	.....	
		Devamalai	229	...	...	...	229	...	.....	
		Honnathalai ...	320	...	...	...	320	...	.....	
		Fern Hill Shola ...	10	...	...	...	10	...	.....	
		Addition to Fair Lawn's Block I.	22	...	...	...	22	...	.....	
		Addition to Dodabetta No. II.	13	...	...	...	13	...	.....	
		Additionto Dodahalla	10	...	...	...	10	...	.....	
		Bilikal Road ...	25	...	...	...	25	...	.....	
		Hulikal ...	6,411	...	...	...	6,411	...	.....	
		Rallia ...	189	...	...	...	189	...	.....	
		Black Bridge ...	390	...	...	...	390	...	.....	
		Coonoor Peak ...	540	...	...	...	540	...	.....	
		Lamb's Rock ...	708	...	...	...	708	...	.....	
		Tiger Hill ...	328	...	...	...	328	...	.....	
		Ghât Reserve ...	311	...	...	2	309	...	No. 36 of 14th Jan. 1893.	Disafforested.
	Coonoor.	Hill Grove	187	...	...	...	187	...	.....	
		Kullar	1,815	...	...	...	1,815	...	.....	
		Kóttagiri	563	...	...	...	563	...	.....	
		Ithalar	460	...	...	...	460	...	.....	
		Deva Shola	215	...	...	...	215	...	.....	
		Balakola	935	...	...	...	935	...	.....	
		Athigaratti ...	34	...	...	...	34	...	.....	
		Sutton Shola ...	52	...	...	...	52	...	.....	
		Commandu	993	...	...	...	993	...	.....	
		Pembroke	122	...	...	...	122	...	.....	
		Nedukaduhulla ...	885	...	...	...	885	...	.....	
		Bettumund, South.	137	...	...	...	137	...	.....	
		Little Ralliah ...	29	...	...	...	29	...	.....	
		Rallah Shola ...	30	...	..	...	30	...	.....	
		Halakaray ...	172	...	...	...	172	...	.....	
		Billitbitu ...	35	...	...	...	35	...	.....	
		Dolphin ...	65	...	...	...	65	...	.....	
		Guernsey ...	14	...	...	...	14	...	.....	
		Kodamalai ...	15	...	...	...	15	...	.....	
		St. Catherine's Fall.	124	...	...	...	124	...	.....	
		Constantia ...	35	...	...	...	35	...	.....	
		Tuttapoliam ...	54	...	...	...	54	...	.....	
		Gudakalhalla ...	299	...	...	...	299	...	.....	
		Bettu Nos. 1 and 2.	29	...	...	...	29	...	.....	
		Kunnavara addition.	98	...	...	...	98	...	.....	
		Kanavath ...	16	...	...	...	16	...	.....	
		Deepdale ...	361	...	...	...	361	...	.....	
		Gudakal	600	...	...	...	600	...	.....	
		Clyffe ...	33	...	...	...	33	...	.....	
		Dodabetta, I and II.	105	...	...	...	105	...	.....	
		Shamrock	43	...	...	...	43	...	.....	
		Bikkehatti	19	...	...	...	19	...	.....	
		Ittakal, Nos. 1 and 2.	21	...	...	...	21	...	.....	
		Mavada	211	...	...	...	211	...	.....	
		Kuttada Nos. 1 and 2.	29	...	...	...	29	...	.....	
		Sundatti	124	...	...	...	124	...	.....	
		Kunshola	159	...	...	...	159	...	.....	
		Kirkanara, Nos. 1 and 2.	24	...	...	...	24	...	.....	
		Kilatti	17	...	...	...	17	...	.....	
		Hadumund	48	...	...	...	48	...	.....	
		Uppatti	53	...	...	...	53	...	.....	
		Doddakava	62	...	...	...	62	...	.....	
		Ullavanadmund Shola.	57	...	...	...	57	...	.....	
		Sinnattu Shola ...	51	...	...	...	51	...	.....	
		Longwood Reserve additon.	31	...	...	...	31	...	.....	
		Kullar addition I and II.	72	...	...	...	72	...	.....	
		Benhope No. 2 ..	34	...	...	...	34	...	.....	
		Kallur	388	...	...	...	388	...	.....	

Area of Reserved Forests, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
Southern Circle—*cont.*										
Nilgiris —*cont.*	Ootacamund.	Red Hills	...	...	48	...	48	...	No. 30 of 15th Jan. 1892.	
		Keradamund ...	...	...	276	...	276	...	No. 66 of 13th Feb. 1892.	
		Bigali Halla ...	...	...	46	...	46	...	No. 28 of 15th Jan. 1892.	
		Yedakot	...	...	117	...	117	...	No. 29 of 15th Jan. 1892.	
		Honnathalai, South.	...	...	214	...	214	...	No. 152 of 12th April 1892.	
		Rallia	...	...	382	...	382	...	No. 81 of 23rd Feb. 1892.	
		Teppakuchi ...	...	...	115	...	115	...	No. 130 of 21st Mar. 1892.	
		Naduhatti	...	...	476	...	476	...	No. 79 of 23rd Feb. 1892.	
		Yerkaudhalla ...	...	...	18	...	18	...	Nos. 113 & 114 of 15th Mar. 1892.	
		Konakarai	...	...	1,864	...	1,864	...	No. 152 of 12th April 1892.	
		Vagapanai	...	...	2,648	...	2,648	...		
		Donad	...	...	2,073	...	2,073	...		
		Madanad	...	...	723	...	723	...	Do.	
		Kodanad Valley ...	...	...	294	...	294	...		
		Nedugula	...	...	89	...	89	...		
		Longwood addition No. II.	...	...	31	...	31	..	Do.	
	Coonoor.	Jakanare slopes ...	...	...	6,419	...	6,419	...	Do.	
		Pakasuramalai ...	...	...	625	...	625	...	No. 348 of 1st Aug. 1892.	
		Pilloor shola ...	...	...	39	...	39	...	No. 348 of 1st Aug. 1892.	
		Kulear	...	...	226	...	226	...	No. 7 of 19th Dec. 1892.	
		Sutton shola addition.	...	...	38	...	38	...	No. 355 of 29th July 1892.	
		Thaimalai shola ...	...	...	50	...	50	...	No. 203 of 10th May 1892.	
		Tudor shola ...	...	...	24	...	24	...	No. 198 of 10th May 1892.	
		Osatti	...	...	152	...	152	...	No. 337 of 23rd July 1892.	
		Commandoo Reserve addition.	...	...	32	...	32	...	No. 354 of 3rd Aug. 1892.	
		Rallia Reserve addition.	...	...	3	...	3	...	No. 565 of 28th Nov. 1892.	
		Teppakuchi addition.	...	...	4	...	4	...	No. 428 of 7th Sept. 1892.	
		Total ...	132,530	207·08	17,026	144	149,412	233·46	.....	
North Malabar.	Chedleth Reserved Forest.	Kuppadi	7,337	...	...	...	7,337	...	.....	
		Kurchiyat	18,054	...	...	...	18,054	...	.....	
		Rampur	18,855	...	...	...	18,855	...	.....	
	Trans-Beni	Nulpoya	3,613	...	...	...	3,613	...	.....	
		Mavinhulla	12,577	...	...	...	12,577	...	.....	
	Kudrakote and Padri.	Begur	15,366	...	...	...	15,366	...	.....	
		Adavankunnu ...	39	...	...	...	39	...	.....	
		Kudrokote	...	...	20,240	...	20,240	...	No. 559 of 24th Nov. 1892.	
		Total ...	75,841	118·51	20,240	...	96,081	150·13	.....	
South Malabar.	Nilambúr.	Amarampalem ...	468	...	6	...	(a) 474	...	.....	
		Chathambarai ...	700	...	...	...	700	...	.....	
	Amarampalam.	Karimpoya Reserve.	3,955	..	...	...	3,955	...	.....	
		Nellikutta do. ...	1,824	...	...	...	1,824	...	.....	
	Palghat.	Walayar do. ...	3,017	...	...	...	3,017	...	.....	
		Chenat Nair do. ...	15,203	...	...	...	15,203	...	.....	
		Total ...	25,167	39·32	6	...	25,173	39·33	.....	

(a) By rectification of area.

Area of Reserved Forests, 1892-93—*cont.*

District	Range	Name of Forest.	Area on 1st April 1892		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer	Remarks
			Acres	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
South Canara	Coondapoor	No. I, Sabladi	208				208		.....	
	Udipi.	,, II, Ajjarkadu.	160				160		..	
		,, III, Pilarkhan	320			..	320	.	.....	
		,, VIII, Chinkramalle.	2,560				2,560		....	
		,, VI, Manajekadu.	423				423		...	
		,, XIV, Durgamalai	1,601				1,601		.. ...	
		,, XV, Andar Reserve.	22,334				22,334		.....	
		,, VII, Tonkahola	2,039				2,039		..	
	Mangalore.	,, VI, Chembugudde.	75				75		.. ..	
		,, VII, Kutiyar	25				25		.	
		Nos V and IV, Poitaji and Kayarpalle	96				96		.	
		No V, Ullal Casuarina and Honne.	57	.			57			
		,, X, Tannirbhavi	70				70	..	....	
		,, XII, Hosabettu Reserve.	376				376		...	
		,, XI, Todar Reserve.	458				458	...	.....	
		,, XIII, Unjimale	3,200	.			3,200		.....	
	Uppinangadi.	,, I, The Shiradi Sisla Reserve.	19,200				19,200		.....	
		,, IV, The Bhagimalai.	6,400				6,400		.....	
	Coondapoor.	Kasankatte	.		262		262	..	No. 500 of 28th Nov. 1892.	
		Harkur			858		858		No. 16 of 10th Jan. 1893.	
		Jonnal Ane .	.		657		657		No. 150 of 20th March 1893.	
	Kasaragod	Parappa ..			2,560		2,560		No. 132 of 21st March 1892.	
		Total .	59,602	93·13	4,337		63,939	99·91	.	
		Total of the Circle ..	1,627,322	2,542·69	70,503	113,965	1,583,860	2,474·78	....	
	Grand Total of the three Circles		4,591,920	7,174·87	1,562,400	115,597	6,038,723	9,435·50	...	

Abstract.

District.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
Northern Circle.						
Ganjám	72,756	113·68	...	...	72,756	113·68
Vizagapatam	8,960	14	6,449	...	15,409	24·08
Gódávari	267,668	418·23	15,130	...	282,798	441·87
Kistna	289,307	452·04	117,467	1,630	405,144	633·04
Anantapur	19,944	31·16	44,678	...	64,622	100·97
Bellary	66,906	104·54	69,789	...	136,695	213·58
Kurnool	683,800	1,068·44	421,244	..	1,105,044	1,726·63
Total ...	1,409,341	2,202·09	674,757	1,630	2,082,468	3,253·85
Central Circle.						
Nellore	168,124	262·69	49,710	...	217,834	340·37
Cuddapah	265,171	414·33	352,603	...	617,774	965·27
Chingleput	93,604	146·26	5,343	...	98,947	154·60
North Arcot	328,283	512·94	112,318	...	440,601	688·44
South Arcot	104,937	163·96	141,655	2	246,590	385·30
Tanjore	5,869	9·17	4,398	..	10,267	16·04
Trichinopoly	101,968	159·33	19,998	...	121,966	190·57
Salem	487,301	761·41	131,115	...	618,416	966·28
Total ...	1,555,257	2,430·09	817,140	2	2,372,395	3,706·87
Southern Circle.						
Madura	298,506	466·41	7,845	..	306,351	478·67
Tinnevelly	363,135	567·40	13,523	113,821	262,837	410·68
North Coimbatore	310,280	484·81	7,526	.	317,806	496·57
South Coimbatore	362,261	566·03	...		362,261	566·03
Nilgiris	132,530	207·08	17,026	144	149,412	233·46
North Malabar	75,841	118·51	20,240	...	96,081	150·13
South Malabar	25,167	39·32	6	...	25,173	39·33
South Canara	59,602	93·13	4,337	...	63,939	99·91
Total ...	1,627,322	2,542·69	70,503	113,965	1,583,860	2,474·78
Grand Total ...	4,591,920	7,174·87	1,562,400	115,597	6,038,723	9,435·50

Annual Form No. 59-B.

Forest Department, Madras Presidency.

Area of Reserved Lands, 1892–93.

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Northern Circle.									
Ganjam.	West Goomsur.	Kaliamba	5,200	..	...	...	5,200	..	.. ...	
		Teleki	15,200	..	...	...	15,200	...	.. .	
		Baibali	21,920	..	...	...	21,920		.....,	
		Darpangia ...	16,160	...	...	...	16,160	...	.....	
		Rambha	9,300	...	...	...	9,300	...	.....	
		Gullery	23,860	...	...	...	23,860	...	.....	
	East Goomsur.	Koolada	2,760	...	...	...	2,760	..	.....	
		Ambazara ...	32,000	...	...	...	32,000	...	.. ..	
		Chodiapalli ...	960	...	...	...	960	...	.....	
		Gundribadi ...	12,200	...	...	...	12,200	...	.....	
		Do. N. and S. extensions.	..	...	9,500	...	9,500	..	No. 240 of 26th May 1892.	
		Gogoda	15,240	...	...	...	15,240	...	.....	
		Paichalia	13,760	...	...	...	13,760		.. ..	
		Brahmanossi ...	8,080	...	...	...	8,080	.	.. ...	
	Bugudá ...	Kurcholi	5,520	...	...	...	5,520	.	.....	
		Kriyamba	23,320	...	...	...	23,320	...	.....	
		Sandusalya ...	2,000	.	...	...	2,000	...	.....	
		Bodochendana ...	800	...	...	...	800	.	.. ..	
	Surada ...	Dhougam	2,400	...	...	...	2,400	...	.. ..	
		Rogoda	16,000	...	...	...	16,000	...	.....	
		Pipalapanka ...	7,700	...	...	...	7,700	..	.....	
		Moondapitta ...	6,880	...	...	...	6,880	...	.....	
		Hukuma	4,160	...	...	...	4,160	..	.. ..	
		Rayigoda	6,700	...	...	..	6,700	...	.....	
	Berhampur ...	Ramagodo ...	6,620	...	..	...	6,620	...	.....	
		Bainamari ...	3,750	...	...	...	3,750	...	.....	
		South Mohiri ...	3,730	...	...	..	3,730	...	.. ...	
		Bollibogoda ...	261	..	...	...	261	.		
		Balakristnapuram.	164	...	...	...	164	..		
		Chatrapur ...	695	...	...	...	695	...	No. 199 of 10th May 1892.	
		Dhura	279	...	100	...	379	...		
		Golobondo ...	379	...	...	...	379	..		
		Podhora	760	...	...	...	760	...		
		Mushidipalem ...	238	...	...	...	238	...		
		Kusimi	625	...	...	...	625	...	No. 172 of 26th April 1892.	
		Bendaliya	163	...	...	...	163	...		
		Mohoda	419	...	...	...	419	..		
		Mushujakalli or Kukkarakandi.	522	...	...	...	522	...	No. 458 of 22nd Sept. 1892.	
		Ankusapuram ...	138	...	...	...	138	...	No. 473 of 22nd Sept. 1892.	
		Mohugora ...	1,697	...	...	...	1,697	..	No. 457 of 22nd Sept. 1892.	
		Mahartapalli ...	924	...	...	..	924	...	... ..	
		Virakrishnachandrapuram.	445	...	...	...	445	...	.....	
		Godohill	225	..	...	...	225	...	.....	
		Joronohill ...	1,002	...	..	...	1,002	...	.....	
		West Batukamarada.	179	...	...	...	179	...	.....	
		Nimmapuram ...	697	...	...	...	697	...	... ..	
		Sikharapuram ...	260	...	...	...	260	...	.....	
		Shapuram	142	...	...	...	142	...	.....	
		Napier's Park ...	27	...	...	...	27	...	No. 199 of 10th May 1892.	
	Chicacole ...	Tuluga	148	...	...	...	148	...	.....	
		Ampolu	225	...	...	...	225	...	.....	
		Singupuram ...	693	...	...	...	693	...	.....	
		Rana	107	...	...	...	107	...	... ..	
		Rahimapuram ...	274	...	...	...	274	...	.....	
		Koderu	279	...	...	...	279	...	.....	

Area of Reserved Lands, 1892–92—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks
		Northern Circle—*cont.*								
Ganjám —*cont.*	Chicacole—*cont.*	Jammu	175	..	...	...	175	...	.....	
		Godalam	125		...	...	125	...	.....	
		Rankuhanumanthapuram, Nos. I, II and III.	1,520	...	..	...	1,520	...	.....	
		Total ...	280,007	437·51	9,600	...	289,607	452·51		
Vizagapatam.	Golgonda ...	Arlova	* 2,472	..	† 1	2,473	...	...	No. 496 of 14th Oct. 1892.	Transferred to reserved forest.
		Pedimkonda	* 3,227	...	...	...	3,227	...	...	
		Kakurlakonda ...	1,924	...	...	1,924	...	...	No. 496 of 14th Oct. 1892.	Do.
		Venkatapuram .	508	...	..	508	...			
		Kodavatipudi ..	1,544	...	...	1,544		...		
	Palkonda Agency.	Madalammakonda.	3,600	...	...	...	3,600	...	.....	
		Karakakonda ..	6,270	..	...	...	6,270		.	
		Barnakonda .	16,240	...	...	...	16,240		...	
		Antikonda ...	6,800	...	...	...	6,800	.	.	
		Kadayandi .	9,920	...	..	...	9,920	...	...	
	Golgonda ...	Sinivaram ...			31,340		31,340		No. 347 of 1st Aug. 1892.	
		Dharkonda ...	..	...	46,880	...	46,880			
		Boiniti ...	.	.	32,960		32,960	..		
		Chintapalli .	..		12,660		12,660	..		
	Palkonda ...	Chinnamangalapuram.	...	...	51	.	51	..	No. 45 of 25th Jan. 1893.	
		Garugupilli .	...	. .	27		27	..	No. 47 of 25th Jan. 1893.	
		Chinnagora ...	...	...	2,047	...	2,047	..	No. 312 of 9th June 1893.	
		Ichapuram . .	...	.	900	...	900	...		
	Sarvasiddhi ...	Vemagiri ...	..	.	1,641		1,641	...	No. 236 of 1st May 1893.	
		Gokivada ...	...		1,305		1,305	...		
		Panchadharla	...		1,221		1,221	...		
		Kalavalapalli ..	...		1,242		1,242	.		
		Rambilli	...	.	485	.	485	...		
		Total ...	52,505	82·04	132,760	6,449	178,816	279·40		
Gódávari.	Peddápuram...	Ramasaram ...	2,500	...	.	...	2,500	..	... ..	
		Banadapalli ...	6,800	...		...	6,800	..	.....	
		Lododdi	8,400	...	...	...	8,400	...	.....	
		Vatangi	11,000	.	...	...	11,000		.....	
		Aminbada ...	5,600	..	...	...	5,600	..	.. ..	
		Anantagiri ...	3,900	.	...	...	3,900	...	.....	
		Laburti	8,100	..	...	...	8,100	.	.....	
		Duramamidi ...	7,200	...	...	..	7,200	...	.. ...	
		Verabhadram ...	11,200	...	...	...	11,200	...	.....	
		Jeddangi	6,700	..	...	...	6,700	...	... ..	
		Annavaram ...	10,500	...	..	...	10,500	...	.....	
		Peddagurangi	5,800	..	.	...	5,800	...	.	
		Lingamparti ...	7,600	..	..	...	7,600	..	.....	
		Devancheruvu ...	5,000	..	..	.	5,000	...	.. ..	
		Lakkonda ...	13,000	...	...	...	13,000	...	.....	
		Molleru	10,000	...	. .	10,000	...	...	No. 476 of 6th Oct. 1892.	1,750 acres excluded at settlement and 8,250 acres transferred to reserved forest.
	Rajahmundry.	Sudikonda ..	6,880	...	...	6,880		..	No. 53 of 27th Jan. 1892.	Transferred to reserved forest.
		Mallavaram ...	6,500	...	...	..	6,500	...	.....	
		Tirumaliapalem ..	9,200	...	...	...	9,200	. .	.....	
		Walaugri	8,700	...	...	...	8,700	...	.....	

* Inserted wrongly in previous year's return. † By rectification of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893		Number and date of notification of addition or transfer.	Remarks
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		NORTHERN CIRCLE—*cont.*								
Gódávari—*cont.*	Rékapalle*	Rékapalle Hills	107,700		...	..	107,700			
	Delta	Upputeru ..	10,000				10,000			
		Kandikuppa	9,000	...			9,000		..	
	Ellore ...	Ungutur, Blocks I and II.	4,500	.	...		4,500		.....	
		Jilugumilli	3,300		.		3,300		.....	
		Darbhagudem	2,200		.		2,200	.	..	
		Barrinkalapadu	1,600	...	.	.	1,600	..	....	
		Thaduvai ...	1,900	..	...		1,900			
		Marlagudem .	2,700	...	...		2,700		.	
	Yernagúdem.	Beddadavole ..	15,000	..	.		15,000	..	...	
		Rajahmundram ..	400	...	...		400		..	
		Nallacherla	11,000		.		11,000			
		Kopilli ..	19,000	..	.		19,000		.....	
		Kovvada ..	19,000	.			19,000		.	
		Papikonda	21,000	...	.		21,000			
		Total	382,880	598·25	...	16,880	366,000	571·87		
Kistna.	Bezwada	Kondapalle	20,722		..	20,722			No. 308 of 24th June 1892.	Transferred to reserved forest.
		Kothur	700	.		.	700		... ..	
	Guntúr .	Kolakalur	1,408	..		1,408			. ...	Deducted 47 acres by rectification of area and transferred to reserved forest 1,356 acres
		Lam	987	...		* 90	897	.	..	
	Vinukonda ..	Bollapalli, Nos I & II.	12,000		..	...	12,000		.	
		Koppukonda .	5,000			5,000			No 300 of 24th June 1892.	Transferred to reserved forest.
		Pasvemula ...	22,782	.	(a) 5,514	(b) 22,782	5,514		(a) No. 81 of 30th Jan., 1893	
									(b) No. 93 of 5th March 1892	(b) Do.
		Kandlagunta	34,947	...	(c) 1,000	(d) 34,947	21,000	...	(c) Reserved lands under rules under section 26	
									(d) No. 47 of 22nd Jan. 1892.	(d) Do
		Tangeda, II .	1,395	...	(e) 5,600	(f) 1,395	5,600		(e) Reserved lands under section 26.	
	Palnad								(f) No. 543 of 25th Nov. 1892.	(f) 95 acres deducted at settlement and 1,300 acres transferred to reserved forest.
		Tummurukodu, No. II	2,940	...	...		2,940	.	(g) Reserved	
		Do No. III	3,730	...	(g) 450		4,180		lands under rules under section 26:	
		Mutukur	31,360	.	(g) 12,440	(h) 31,360	12,440		(h) No. 58 of 1st June 1892.	Transferred to reserved forest.
		Jangalpulli ...	.		1,420		1,420	.	No 443 of 13th Sept. 1892	
		Velavadam ...		.	940	.	940		No. 446 of 13th Sept. 1892.	
		Dasullapalem	...	..	1,280		1,280		No. 539 of 19th Nov. 1892.	
	Bezwada	Gannavaram .	.	...	1,990	..	1,990		No. 540 of 19th Nov. 1892	
		Gollapudi	...		1,022	...	1,022		No. 551 of 19th Nov. 1892.	
		Vellatur			600	. .	600	..	Reserved lands under section 26 of the Forest Act.	
		Jupudi	..	. .	300	..	300	...		

* By revised estimate.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and Date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Northern Circle—*cont.*									
Kistna—*cont.*	Guntúr ...	Kondavid, Extension I.	...	...	550	...	550	...	No. 433 of 7th Sept. 1892.	
		Do. „ II.	...	...	250	...	250	...		
		Chinnapalakalur, I and II.	...	...	432	...	432	...	No. 461 of 22nd Sept. 1892.	
		Peddamaduru ...	...	...	300	...	300	...	No. 417 of 29th Aug. 1892.	
		Nidumukkala ...	...	...	690	...	690	...	No. 459 of 22nd Sept. 1892.	
		Motadaka	...	...	318	...	318	...	No. 546 of 25th Nov. 1892.	
	Sattenapalle ...	Venkatayapalm, Extension VII.	...	...	1,200	...	1,200	...	.....	Reserved lands under rules under section 26 of the Forest Act.
		Do. „ VIII.	...	...	1,900	...	1,900	...	.....	
		Do. „ IX.	...	...	400	...	400	...	.....	
		Do. „ X.	...	...	700	...	700	...	.....	
		Kuntumaddi ...	...	...	800	...	800	...	.....	
		Kandipad	...	..	360	...	360	...	.....	
		Krosur, I and II ...	...	...	930	...	930	...	.....	
		Takkellapad ...	...	...	360	...	360	...	.....	
		Chamarru ..	...	...	760	...	760	...	.....	
		Yellamarazupallem	...	...	900	...	900	...	.....	
		Konaki, Extension I	...	...	1,300	...	1,300	...	.....	
		Do. „ II.	...	...	3,500	...	3,500	...	.....	
		Sitarampuram ...	...	...	1,500	...	1,500	...	.....	
	Vinukonda ...	Bollapallo, Extension III.	...	...	3,133	...	3,133	...	No. 548 of 25th Nov. 1892.	
		Do. „ IV.	...	...	737	...	737	...	No. 560 of 25th Nov. 1892.	
		Do. „ V.	...	...	860	...	860	...	No. 541 of 25th Nov. 1892.	
		Do. „ VI.	...	...	807	...	807	...	No. 329 of 19th June 1893.	
		Kakirala, Extension I.	...	...	222	...	222	...	No. 324 of 19th June 1893.	
		Vinukonda ...	...	...	8,224	...	8,224	...	No. 281 of 15th June 1892.	
		Gokanakonda ...	...	...	328	...	328	...	No. 88 of 9th Feb. 1893.	
		Kopparam, II ...	...	...	750	...	750	...	No. 538 of 17th Nov. 1892.	
		Kolalapudi ...	...	...	303	...	303	...	No. 46 of 25th Jan. 1893.	
		Putsanutula ...	...	...	801	...	801	...	No. 545 of 25th Nov. 1892.	
		Bogaram	...	...	58	...	58	...	No. 661 of 12th Dec. 1892.	
		Ravavaram ...	...	...	303	...	303	...	No. 154 of 18th Mar. 1893.	
		Ramudupalem ...	...	...	774	...	774	...		
		Nayanapalem, I and II.	...	...	1,367	...	1,367	...	No. 82 of 30th Jan. 1893.	
		Yellamanda, I and II.	...	...	1,625	...	1,625	...	No. 83 of 2nd Feb. 1893.	
		Narasayapalem ...	...	...	1,542	...	1,542	...	No. 405 of 19th Aug. 1892.	
		Garladinne ...	...	...	518	...	518	...	No. 170 of 27th April 1892.	
		Bobbepalli ...	...	...	357	...	357	...	No. 301 of 5th June 1893.	
		Yelchur, I ...	...	...	330	...	330	...	No. 305 of 9th June 1893.	
		Do. II ...	...	...	260	...	260	...	.....	Reserved land under rules under section 26 of the Forest Act.
		Gorrepad	...	...	1,067	...	1,067	...	No. 303 of 5th June 1893.	
		Nagarazupalli ...	...	...	792	...	792	...	No. 306 of 8th June 1893.	

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		NORTHERN CIRCLE—*cont.*								
Kistna—*cont.*	Vinukonda—*cont.*	Dronadula ..		...	255	...	255		No. 307 of 6th June 1893.	
		Muppala ...	...	...	4,600		4,600	.	... .	Reserved land under rules under sec. 26 of the Forest Act.
		Gangalakunta; I ..	.	.	1,800	...	1,800	...	..	Do.
		Madinapad, Extension I.	...	..	1,500	.	1,500	.	.. ...	
		Darvemula ...	...	...	760	...	760	...	No. 113 of 24th Feb. 1893.	
		Atmakur	...	..	211	.	211	...	No. 60 of 30th Jan. 1893.	
	Palnad ..	Kambhampad ...	.	...	592		592	.	No. 59 of 30th Jan. 1893.	
		Madugala .. .	...	...	2,800	..	2,800	.	. ..	Reserved lands under rules under section 26 of the Forest Act.
		Daida ...	...	...	3,100	...	3,100	.	....	
		Gali	...	..	4,300	.	4,300	...	. ...	
		Rayavaram ...	.	. .	217	.	217	..	.....	
		Podagarlapadu ...	...	...	1,400	...	1,400	...	.....	
		Vemavaram .	...	...	2,600	.	2,600		.....	
		Govindapuram .	...	...	2,000		2,000	...	. ...	
		Dáchépalle . .	. .	. .	850	...	850	.	... ..	
		Total ...	137,966	215·57	121,849	117,699	142,116	222·06		
Anantapur.	Gooty ...	Peddadoddi ...	3,200	...	...	3,200	...	.	No. 237 of 16th May 1892.	721 acres deducted by rectification of area and 2,479 acres transferred to reserved forest.
		Jakkalacheruvu ...	3,200		..	* 732	2,468	...	.. .	
		Nagasamudram N. & S.	9,600	...	* 2,131	..	11,731	...	.....	
		Cutturmulla ..	7,680	.	* 4,802	..	12,482	...	.....	
		Bhadrampalle ...	4,225	.	* 1	4,226	.	.	No. 17 of 9th Jan. 1893.	Transferred to reserved forest.
		Marutla	11,520	...	* 1,436	...	12,956	...	.. ...	
		Tarramulla .	8,960	...	* 2,614	..	11,574	...	.....	
		Yadaki	5,120	...	* 4,556	...	9,676	...	.....	
		Guntakal, I, II & III	890	...	* 43	933		...	Nos. 67, 68, and 69 of 13th Feb. 1892.	Transferred to reserved forest.
	Muchukota	Muchukota ...	21,759	...	...	.	21,759	. .	.	
		Durgam	3,200	...	* 440	3,640	...	...	No. 467 of 22nd Mar. 1893.	Transferred to reserved forest.
		Kudair ...	4,480	...	...	...	4,480	...	.. ...	
		Upparapalli .	640		* 142	. .	782	.	.....	
		Dadithota	1,920	.	* 1,714	3,634		...	No. 456 of 21st Sept. 1892.	Transferred to reserved forest.
		Yellutla	9,182	...	...	9,182	...	...	No. 38 of 16th Jan. 1893.	
		Chillawaripallo ...	3,840	.	* 1,140	4,980	.	...	No. 409 of 22nd Aug. 1892.	
		Konakuntla ...	1,600	...	* 16	1,616	..	..	No. 406 of 22nd Aug. 1892.	
		Nairjampalle ...	2,285	...	...	2,285	..	...	No. 485 of 10th Oct. 1892.	
		Yellanur	320	..	* 836	...	1,156	...	.....	
	Dharmavaram.	Gootoor, E. & W. ...	7,804	...		...	7,804	.	...	
		Kalyándrug ...	1,552	.	.	1,552	..	..	Nos. 294 and 303 of 15th June 1892.	81 acres deducted at settlement and 1,471 acres transferred to reserved forest.
		Ramghiri	10,240	...	...	* 713	9,527	..	. ...	

* By rectification of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles	Number and date of notification of addition or transfer.	Remarks.
		Northern Circle—*cont.*								
Anantapur—*cont.*	Dharmavaram—*cont.*	Bhadrapur	3,347	...	* 1,773	5,120			No. 151 of 12th April 1892.	Transferred to reserved forest.
		Nyalakota	12,857	...	..	* 701	12,156			
	Penukonda	Penukonda Hill	4,946	...	...	* 304	4,642		...	
		Somandapally	9,782	..	...		9,782			
		Yerlampalle ..	3,550		..	* 247	3,303	...		
		Mallappakonda	5,120		...	* 750	4,370		.	
		Mallakavemelakonda.	2,138	.	* 147		2,285		. .	
		Jannavaripalle ...	3,200		* 2,885		6,085		.. .	
		Agraharam .	2,300	..	...	2,300	...		No 562 of 25th Nov. 1892	166 acres excluded at settlement and 2,134 acres transferred to reserved forest.
		Venglamcheruvu ..	2,880			2,880			No. 18 of 9th Jan. 1893.	500 acres excluded at settlement and 2,371 acres transferred to reserved forest.
	Hindúpur	Yerrakonda	7,729			..	7,729			
		Amagondapalem	15,772			* 412	15,360		..	
		Dokkalakonda	7,420				7,420			
		Kondur	607			607	...		No. 353 of 1st Aug. 1892	Transferred to reserved forest.
	Gooty	Gopidevarapalle .	1,884				1,884			
		Penikacherla, Block I			660	.	660		No 173 of 27th April 1892	
		Ponkacherla, Block II.								
		Illur			1,293	...	1,293	.	No 183 of 10th April 1893.	
		Koppulakonda		..	754		754		No. 107 of 23rd Feb. 1893.	
		Kristipadu		...	869	.	869		No. 222 of 27th April 1893.	
		Teliki	...		891		891	.		
	Penukonda	Cherlopalli	.	...	2,044	.	2,944		No. 184 of 10th April 1893.	
	Madakasira	Kakathi	.		2,478	...	2,478		No. 326 of 20th June 1893.	
		Total ...	206,719	323 05	34,565	50,014	191,300	298 91		
Bellary.	Ádóni	Ganakolu ...	1,070			1,070			No. 259 of 10th June 1892.	Transferred to reserved forest.
		Sulekeri	1,380		...		1,380			
		Rayachóti	1,892		.	† 304	1,588			
		Kurumetla	2,812	.		.	2,812			
		Kotekallu . .	2,575	..		2,575			No. 379 of 25th July 1892	Transferred to reserved forest.
		Ádóni, East ...	2,172		...	2,172	..		No. 119 of 27th Feb 1893	338 acres excluded at settlement and 1,834 acres transferred to reserved forest.
		Do. West ...	3,165				3,165			
		Kúpgal	4,638				4,638		..	
		Tungabhadra ..	4,633	..		.	4,633			
		Kosgi .	2,951	.	...		2,951		.	
		Kudbúr ...	2,956	.	...		2,956			
		Bilehalu .	916	...	...	‡ 10	906		...	

* By rectification of area. † Correction of area. ‡ Deducted at settlement.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		Northern Circle—*cont.*								
Bellary—*cont.*	Ádóni—*cont.*	Kanchagara Bilagallu.	856	...	...	856	...	.	No. 91 of 6th Feb. 1893.	Transferred to reserved forest.
		Holalagondi	906	.	...	906	.	...	No. 21 of 9th Jan. 1893.	
		Muddatamagi ...	317	...	...	317	...		No. 33 of 16th Jan. 1893.	
		Virupapuram ...	136	...	...	136		...	No. 37 of 19th Jan. 1893.	26 acres deducted by rectification of area and 110 acres transferred to reserved forest.
		Pagaluchukkavanka.	241		.	241	..	...	No. 101 of 18th Feb. 1893.	
		Ramadurgamkonda.	337	...	.	337	...	...	No. 549 of 25th Nov. 1892.	
		Nagaradona ...	140	...	...	140	..	...	No. 572 of 6th Dec. 1892.	
	Bellary ..	Suguru	530	...	...	530		. .	No. 190 of 7th May 1892.	
		Nadivi	425	...	...	425		...	No. 210 of 10th May 1892.	
		Vonnahalli ...	105	...	...	105	...	..	No. 400 of 18th Aug. 1892.	Transferred to reserved forest.
		Mundrigi	48	...	*1	49	..	...	No. 364 of 11th Aug. 1892.	
		Dharmapuri ...	4,100	...	...	4,100	...	...	No. 487 of 12th Oct. 1892.	
	Sandúru .	Hospet	3,030	...		3,030	...	...	No. 236 of 26th May 1892.	
		Oblagundi.. ...	692	..	..	692	...	...	No. 116 of 18th Mar. 1892.	
		Billekal ...	12,447	...	...	12,447			No. 149 of 17th Mar. 1893.	
		Buckasagar ..	6,000	.	...	6,000	...	. .	No. 590 of 7th Dec. 1892.	13 acres deducted by rectification and 5,987 acres transferred to reserved forest.
		Bandri	16,239	...	...	16,239		...	No. 495 of 17th Oct. 1892.	Transferred to reserved forest.
		Sandúru	40,000	...	...	...	40,000	...	.. .	
	Kúdligi ...	Banivikal	3,564	...	...	3,564	..	..	No. 213 of 12th May 1892.	
		Nimblagiri ...	4,792	...	...	4,792	...	...	No. 192 of 7th May 1892.	Do.
		Gudekota	7,000	..	...	...	7,000		. . ..	
		Harada	16,400	. .	...	...	16,400	.	.....	
		Sogai	4,200	..	...	...	4,200	..	.....	
		Jitnakatta ...	12,646	...	..	† 402	12,244		.....	
		Jangukalgutta ...	12,882	..	..	...	12,882	.	.....	
		Alagilavada ...	1,900	.	..	1,900		...	No. 120 of 16th Mar. 1892.	
		Uchirgidrug ...	4,200	...		4,200	...	...	No. 23 of 9th Jan. 1893.	Do.
		Sunkadakal, East ..	843	...	...	843	...	...	No. 380 of 17th Aug. 1892.	
		Kakkuppi	9,000	...	.	...	9,000	...	.....	
		Ramadurgam ...	2,500	...	...	2,500	.	...	No. 595 of 6th Dec. 1892.	Do
	Ádóni ...	Halaharvi ...	..	...	840		840	.	No. 100 of 9th Feb. 1893.	
		Chinnakadabur ...	...	..	669		669	.		
		Dibbanakallu ...	...	...	974	...	974	.	No. 275 of 16th May 1893.	
		Basapuram ...	...	...	204	...	204			
		Belagallu	...	...	764	..	764		No. 326 of 13th June 1893.	
		Kandukur ...	...	...	514	.	514	..		

* Correction of area. † Rectification of area.

Area of Reserved Lands, 1892-93—*cont.*

District	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Northern Circle—*cont.*									
Bellary—*cont.*	Bellary	Haladahalli ...	...	...	259	..	259	.	No. 100 of 9th Feb. 1893.	
		Kenchanaguddam.	. .	...	355	...	355	..	No. 102 of 9th Feb. 1893.	
		Nagalapuram	...	...	555	...	555	.	No. 100 of 9th Feb. 1893.	
		Vírápuram ...	...	...	4,353	.	4,353	...		
		Shiripi, A	...	...	915	...	915	..		
		Kontanahalli ...	...	...	1,318	...	1,318	..		
		Banduru	...	..	695	...	695	..	No. 102 of 9th Feb 1893.	
		Udegalam ...	...	...	617	...	617			
		Upparahosahalli ...	...	...	1,179	..	1,179		No. 275 of 16th May 1893.	
		Balakundi .	..	...	309	...	309	...		
		Shrirangapuram	...	...	866	...	866	...		
		Shripi, B	...	...	379	..	379	..		
		Uddihalu	...	...	659	...	659	.		
		Mecheri, Blocks A & B.	...	..	318	.	318			
		Mallapuram .	...	...	853	.	853			
	Sandúru	Pápináyakanahalli.	.		346	. ...	346		No. 326 of 13th June 1893.	
	Kúdligi ...	Cholakanahatti .		.	743	..	743	.	No. 102 of 9th Feb. 1893.	
		Shivapuram Extension.	...	..	6,045	...	6,045	. .		
		Chiribi Extension.	...	...	5,643	...	5,643	...	No. 100 of 9th Feb. 1893.	
		Kakkuppi, North-east.	.	...	1,580		1,580		No. 102 of 9th Feb. 1893.	
		Kakkuppi, South-east.		...	604		604			
		Kariaginahalli ..	.	. .	3,127	..	3,127	.		
		Banavikallu, North-eastern extension.	...	.	1,655	.	1,655	.		
		Hampapatnam	..	.	115	...	115	..		
		Koilaragatti .	...	.	2,225	.	2,225	...		
		Tambinakeri	.	..	2,016	.	2,016	...		
		Alagilavada extension.	..		4,160	.	4,160	.	No. 100 of 9th Feb. 1893.	
		Sogi, Northern extension.	...	...	487		487		No. 275 of 16th May 1893.	
		Sogi, North-western extension.	...	...	308		308			
		Sogi, Southern extension.	...	...	230		230	...		
		Murakalamurdi ...	...	...	450		450	.		
		Nimbalagiri, Northern extension.	..	...	359	..	359			
		Nimbalagiri, Western extension.	...		698		698	..	No. 326 of 13th June 1893.	
		Nimbalagiri, South-eastern extension.	...	...	1,878		1,878	...		
		Nilqunda	...		1,978	...	1,978	...		
		Sunkadakallu, North-western extension.	...		450	...	450	...		
		Sunkadakallu, South-western extension.	...	...	6,426	..	6,426	..		
		Sunkadakallu, Eastern extension.	...	...	759	. .	759	...		
		Total ...	197,636	308·81	59,878	70,882	186,632	291·61		
Kurnool.	Cumbum and Markapur.	Cumbum	217,000	..	* 600	217,600	...	...	No. 104 of 5th Mar. 1892.	
	Markapur ...	Markapur	181,875	...	...	181,875	...	...	No. 105 of 5th March 1892.	
	Cumbum ...	Western Veligondas.	17,210	...	* 570	17,780	...	...	No. 50 of 22nd Jan. 1892.	

* Correction of area.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		NORTHERN CIRCLE—*cont.*								
Kurnool—*cont.*	Pattikonda and Ramallakot.	South Dhone ...	4,000	...	...	4,000		..	No. 52 of 19th Jan. 1892.	11 acres excluded at settlement and 3,989 acres transferred to reserved forest.
		North Dhone ...	10,000	...	...	...	10,000	...	.....	
	Pattikonda ...	Pendikallu ...	2,570	..	...	...	2,570	..	.. ...	
		Kapatralla ...	2,880	...	...	...	2,880	...	.....	
		Karumanchi ...	1,550	...	...	...	1,550	...	.....	
		Katamkonda ...	3,430	...	...	...	3,430	...	.....	
		Gundlakonda ...	4,690	...	...	...	4,690	...	.....	
		Peddapaya ...	...	...	3,380	..	3,380	...	No. 166 of 27th April 1892.	
		Pyápili	...	...	1,290	...	1,290	...		
		Tekulakonda ..	..	...	715	...	715	...		
		Jaladurgam ...	...	...	19,337	...	19,337	...	No. 168 of 27th April 1892.	
	Sirvel ...	Sirvel Terai, Block I of Kotakonda.	...	...	1,725	...	1,725	...	No. 189 of 4th May 1892.	
		Sirvel Terai, Block II of Ahobalam.	...	...	16,530	...	16,530	...		
		Sirvel Terai, Block III of Bachepalli.	...	...	10,300	...	10,300	...		
	Nandyal ...	Nandyal Terai, Block I of Gazulapalli.	.	...	6,000	...	6,000	...	No. 186 of 4th May 1892.	
		Nandyal Terai, Block II of Yernapad.		...	16,400	...	16,400	...		
	Markapur ...	Yerrakondapalam.	...	...	10,190	.	10,190	...	No. 365 of 3rd Aug. 1892.	
		Baddivid	...	...	1,030	...	1,030	.	No. 28 of 21st Jan. 1893.	
		Tokapalle	...	...	1,407	..	1,407		No. 313 of 9th June 1893.	
		Tamballapalli ...	...	...	2,014	...	2,014	...		
		Total ...	445,205	695·63	91,488	421,255	115,438	180·37		
		Total of the Circle.	1,702,948	2,660·86	450,140	683,179	1,469,909	2,296·73		
		CENTRAL CIRCLE.								
Nellore.	Kanigiri ...	Chimakurthi ...	7,500	...	...	...	7,500	...	.....	
		Kanigiri Durgam.	1,500	...	* 500	2,000	...	...	No. 494 of 14th Oct. 1892.	Transferred to reserved forest.
		Nandavanam ...	18,000	...	...	18,000	...	...	No. 334 of 27th July 1892.	
		Vedullacheruvu ...	9,000	...	...	.	9,000	...	.. ...	
	Kávali ...	Kávali	2,933	...	...	...	2,933	...	...	
		Mungamore ...	94	...	...	...	94	..	... ..	
		Kadanutla ...	289	...	...	...	289	...	. .....	
		Talapalem ...	761	...	...	...	761	...	.....	
		Kávali ...	1,511	...	...	...	1,511	...	.....	
		Kolladinne ...	561	...	...	...	561	...	.. ...	
		Musunur	1,014	...	...	...	1,014	...	.....	
		Anamadugu ...	941	...	...	...	941	...	.....	
		Chennayyapolliem.	1,161	...	..	...	1,161	...	.....	
		Tummalapenta ..	2,476	...	...	...	2,476	...	.....	
		Rudrakota ...	343	...	...	...	343	...	.....	
	Udayagiri ...	Udayagiri Durgam.	11,280	...	...	11,280	...	...	No. 440 of 13th Sept. 1892.	Transferred to reserved forest.
		Yerrakondas ...	14,080	...	...	...	14,080	...	.....	
		Udayagiri Veligondas.	60,140	...	...	...	60,140	...	.....	

* Correction of area.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks
		CENTRAL CIRCLE—*cont.*								
Nellore—*cont.*	Nellore ...	Nellore ...	2,560	...	...	2,560		.	No. 110 of 23rd Feb. 1893.	1,920 acres deducted at settlement and 640 transferred to reserved forest.
	Gudur ..	Sríharikóta and its outliers.	35,710	..	...	...	35,710	..	...	
		Kottapatnam Plantation.	385	...	* 1,035	...	1,420	..	. .	
		Kottapatnam ...	2,500	..	...	2,500	.	...	No. 239 of 26th May 1892.	500 acres deducted at settlement and 2,000 acres transferred to reserved forest.
		Sydapuram ...	2,080	...	...	2,080	...	...	No. 297 of 22nd June 1892.	450 acres deducted at settlement and 1,630 acres transferred to reserved forest.
		Marlapudi ...	4,550	...	...	4,550	...	...	No. 277 of 16th June 1892.	
	Rapur ...	Pategunta ..	1,500	...	...	1,500	...	..	No. 44 of 19th Jan. 1892.	Transferred to reserved forest.
		Cherlopalli .	3,360	.	...	3,360	...	..	No. 57 of 2nd Feb. 1892.	
		Veminabhi ...	2,080	...	* 170	2,250	...	...	No. 276 of 15th June 1892.	
		Yerragondas ...	19,000		..	...	19,000	...	.....	
		Podalakur ...	2,500	.	..	2,500	...	...	No. 129 of 23rd March 1892.	Do.
		Total ...	209,809	327·83	1,705	52,580	158,934	248·33		
Cuddapah.		Settikunta ...	960	.	.	.	960	...	.....	
		Cheyavaram .	4,480	...	...	2,666	1,814		No. 174 of 27th April 1892.	Transferred to reserved forest.
	Kódúru	Kódúru	2,160		..		2,160	..	...	
		Gotimanikona ...	108	. .			108	..	.....	
		Yerraguntlakota ...	1,920	...	...	.	1,920	...	.....	
		Tippayapalli	960	...	..	* 626	334	..	.....	
		Kodivengamabavi.	2,400		...	—...	2,400		—.....	
	Rájampét	Marriutla	6,400		..	...	6,400	..	.....	
		Reddipalle Plantation.	516	.	..	...	516	..	.....	
		Ananthasamudram.	6,400		...	...	6,400	...	. .	
		Sanipaya Ghát ..	2,560		...	...	2,560		.....	
		Badugantapalle ..	3,520		...	...	3,520		... ..	
		Vattalur Hill ...	320	...	..	...	320		.	
	Rájampét and Kódúru.	Seshachellam and Rollamadugu.	3,840	.	...	...	3,840	.	...	
		Salivendru	6,400	.		..	6,400	...	....	
		Chitvél ...	10,240	.	...	...	10,240	...	.....	
	Rájampét and Ráyachóti.	Gadikota	3,538	.	...	...	3,538	.	..	
		Yerrakonda ..	8,320	...	...	..	8,320		.....	
	Rájampét, Sidhout and Ráyachóti.	Cheyer .	11,360	...		...	11,360		.....	
	Rájampét and Sidhout.	Kanakalakonda .	6,400	...	...	...	6,400	..	.	
		Patur	7,680	...	..		7,680	...	.....	
		Kokaletikanama	14,420	..	...	...	14,420	...	.....	
		Kothur	22,720	...	...	12,160	10,560	...	No. 599 of 12th Dec. 1892.	Transferred to reserved forest.

* Correction of area.

Area of Reserved Lands, 1892–93—*cont.*

District	Range	Name of Forest	Area on 1st April 1892 — Acres	Area on 1st April 1892 — Equivalent in square miles.	Added during the year — Acres	Excluded or transferred to other heads — Acres	Area on 30th June 1893 — Acres	Area on 30th June 1893 — Equivalent in square miles	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont*								
Cuddapah—*cont.*	Sidhout	Malliamkonda	3,840		..	..	3,840			
		Do. addition	1,280				1,280			
		Vontimitta	5,760			4,500	1,260		No. 509 of 2nd Nov 1892	Transferred to reserved forest
		Konarazupalle	9,600		* 96	9,696			No. 140 of 17th Mar 1893	Do
		Turupukonda	30,080		..		30,080			
		Ippakanama	1,600				1,600			
	Badvél and Sidhout	Ramapuram	7,680			(a) 5,300	380 / (b)2,000		(a) No 141 of 17th Mar 1893 / (b) No 143 of 17th Mar 1893	(b) Notified under sec 4.
	Cuddapah, Badvél and Sidhout	Lankamalai	112,640		3,920	(c) 69,760	(d) 46,800		(c) No 594 of 6th Dec 1892 / (d) No 593 of 6th Dec 1892	(c) Transferred to reserved forest. (d) Notified under sec 4.
	Cuddapah and Sidhout	Kanamalapalle	5,255	...		..	5,255			
	Cuddapah, Rayachóti and Sidhout.	Palkonda	81,920			...	81,920			
	Badvél	Kavalakuntla	1,600			..	1,600			
		Gopavaram	13,440			* 510	(c) 7,950 / 4,980		(c) No 176 of 28th Mar 1893	(c) Notified under sec 4
		Kalasapad	6,400				6,400			
		Sancherla	5,760				5,760			
		Tsallagirigulla	1,280				1,280			
		Badvél	1,920		..		1,920			
		Ganugapenta	3,200				3,200			
	Badvél and Proddutur	Kottakota and Dasarapalle	104,960				104,960			
		Kancheluamoram	8,960		* 718		9,678			
		Ganganapalle	57,600				57,600			
	Cuddapah and Ráyachóti.	Idupalapaya	28,160				28,160			
		Redlacheruvu	5,120				5,120			
		Chelakampalle	6,400				6,400			
		Kommaddi	1,600				1,600			
		Tummalur	3,200			1,450	1,750		No 600 of 12th Dec 1892	Transferred to reserved forest
		Gonamakalapalle	1,280			1,280			No 578 of 28th Nov 1892	Do
	Cuddapah and Proddutur.	Bhanakotamala	13,600			..	13,600			
		Mallela	5,120		* 1,200		6,320			
		Kondasankesula	4,480			2,612	1,868		No. 523 of 7th Nov 1892	Do.
		Dabbudapalle	3,280				3,280			
		Dhodiyam	2,720			1,800	920		No 204 of 11th May. 1892	Do
		Malamidikambaladinne.	3,440			3,440			No 598 of 7th Dec 1892	1,320 acres deducted by rectification and 2,120 acres transferred to reserved forest.
	Proddutur	Penner	640			520	120		No 132 of 6th Mar 1893	Transferred to reserved forest
		Gandikota	9 920				9,920			
		Yamavaram	1,600	..		1,600	..		No 434 of 5th Sept 1892	Do
		Kosinepalle	7,040			7,040			No 591 of 12th Dec 1892	2,740 acres deducted by rectification and 4,300 acres transferred to reserved forest.
		Nidijuvvi	2,880				2,880			
		Kondapuram	3,840				3,840			

* By correction of area.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
Cuddapah—*cont.*	Rayachóti ...	Sibbyala	340	..	...	...	340	..	..	
		Tsundupalle ...	1,480	...	...		1,480			
		Madhavaram	5,900	...	..	4,681	1,219	.	No. 334 of 22nd July 1892.	
		Brahmanayerragudi	5,760	...	...	...	5,760			
		Hassanapuram	12,160	.	...	.	12,160	...		
		Mudumpad slopes .	5,760	.	*3,200		8,960	...		
		Wongimalla	10,880				10,880	..		
	Rayachóti and Váyalpád.	Urukonda	8,960	...	...	8,960	.	..	No. 576 of 28th Nov. 1892.	974 acres excluded by rectification of area and 7,986 acres transferred to reserved forest.
	Rayachóti, Madanapalle and Váyalpád	Rokkalakonda .	6,400		..		6,400	...	.	
	Kadiri and Cuddapah.	Gorivikanama	28,800		*1,760	30,560		.	No. 518 of 7th Nov. 1892.	Transferred to reserved forest.
		Dorigallu ..	30,720		...	24,032	6,688		No. 514 of 31st Oct. 1892.	Do.
	Kadiri	Ishwaramala	15,360	...	...		15,360	...	.. ..	
		Kokanti	2,000		.		2,000			
		Kadiri	10,240	...			10,240	.		
		Nigadi and Tirumaladevarakonda.	29,240	..		27,770	1,470	...	No. 418 of 24th Aug. 1892.	Do.
		Kukkarazukonda ..	2,400		..		2,400	...		
		Turmala	25,600			25,600		...	No. 257 of 8th June 1892.	1,503 acres deducted by rectification and 24,097 acres transferred to reserved forest.
		Malakavemala .	1,920	.	*840		2,760			
		Tummalamala	6,400	..	*1,810	8,210		...	No. 9 of 19th Dec. 1892.	Transferred to reserved forest.
		Kondagameria .	3,200	..	*913	. .	4,113	...		
		Somarazumala, east.	1,280		..	910	370		No. 579 of 28th Nov. 1892.	Do.
		Goduvelagala ..	1,920		*568		2,488	..		
	Madanapalle ..	Tavalam .	5,120		*3,330	8,450	.	...	No. 513 of 2nd Nov. 1892.	Do.
		Pentzapad	2,870	.	. .	2,870			No. 396 of 22nd Aug. 1892.	Do.
		Horsleykonda	15,500			15,500		...	No 574 of 28th Nov. 1892.	Do.
		Avulakonda	8,370			7,700	670	.	No. 419 of 24th Aug. 1892.	Do.
		Tsadukonda .	15,023	..		15,023			No. 39 of 19th Jan. 1893.	Do.
		Potapolu .. .	364	...	*276	264	376		No. 352 of 1st Aug. 1892.	Do.
	Madanapalle and Váyalpád	Tarikonda	6,400	.	*431	6,831	.	..	No. 8 of 7th Dec. 1892.	Do.
		Gutapaliem .	2,560		...	2,560	..	..	No. 56 of 2nd Feb. 1892.	38 acres excluded by rectificatio and 2,522 acres transferred reserved forest.
		Nurukupalakonda	8,820	..	...	8,461	359	...	No. 511 of 1st Nov. 1892.	Do.
	Váyalpád ...	Yellutla .	4,840			..	4,840	...	...	
		Gajjibuchikona .	320							
		Yerramoralajedu	3,680	...	*6,500		18,180	...	..	
		Marella	7,680							
		Ankalammakonda	2,800	..	*1,840	4,640		...	No. 207 of 11th May 1892.	Transferred to reserved forest.

* By correction of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
Cuddapah—*cont.*	Vayalpád —*cont.*	Doddipalle ...	579	...	...	...	579	...	.....	
		Sorakayalapeta ...	* 2,560	...	* 272	2,832	...	...	No. 111 of 23rd Feb. 1893.	
		Talakona	19,840	...	...	19,840	...	...	No. 498 of 14th Oct. 1892.	940 acres excluded by rectification of area and 18,900 acres transferred to reserved forest.
		Bhakarapet ...	9,800	...	* 800	10,600	...	...	No. 474 of 5th Oct. 1892.	Transferred to reserved forest.
	Proddutur ...	Rameswaram ...	...	...	1,200	...	1,200	...	No. 206 of 12th May 1892.	
	Kadiri ...	Balasamudram ...	...	...	245	...	245	...	No. 212 of 12th May 1892.	
		Kutagallu	...	...	718	...	718	...		
		Nagireddipalle ...	...	...	694	...	694	...		
		Nallanettipalle ...	...	...	290	...	290	...		
		Mudigubba ...	...	...	441	...	441	...		
		Gungepalle ...	...	...	215	...	215	...		
	Madanapalle.	Chinnatippasamudram.	...	...	432	...	432	...	No. 200 of 12th May 1892.	
		Kurabalakota ...	...	...	348	...	348	...		
		Batlapur	...	...	956	...	956	...		
	Kadiri and Madanapalle.	Malakalcheruvu ...	...	...	330	...	330	...	No. 209 of 12th May 1892.	
	Váyalpád ...	Sorrakayalapeta Extension.	...	...	740	...	740	...	No. 31 of 16th Jan. 1893.	
		Piler	...	...	396	...	396	...	No. 201 of 11th May 1892.	
		Gattegadda ...	...	...	283	...	283	...		
		Váyalpád	...	...	215	...	215	...	No. 201 of 11th May 1892.	
		Total ...	1,030,563	1,610·25	35,977	361,254	705,286	1,102·00		
Chingleput.	Tiruvallúr ...	Attantangal ...	268	...	...	268	...	...	No. 109 of 24th Feb. 1893.	Transferred to reserved forest.
		Nayar	300	..	..	...	300	...	.....	
		Erumaivettipalaiyam.	555	...	..	...	555	...	.....	
		Kavalur	240	...	...	240	...	...	No. 85 of 14th Feb. 1893.	10 acres deducted at settlement and 230 acres transferred reserved forest.
		Manali	1,485	...	...	...	1,485	...	.....	
		Apasamudram ...	595	...	...	...	595	...	.....	
		Kuruvithittu ...	300	...	...	300	...	...	No. 112 of 28th Feb. 1893.	Transferred to reserved forests.
		Periyaoblapuram ..	66	...	...	66	...	...	No. 90 of 9th Feb. 1893.	
		Elavur	179	...	...	...	179	...	.....	
		Chinnaoblapuram ...	65	...	..	...	65	...	.....	
		Siruvalipettai, A ...	105	...	...	...	105	...	.....	
		Do. B ...	54	...	...	54	...	...	No. 93 of 6th Feb. 1893.	Do.
		Budur	86	...	...	86	...	...	No. 92 of 9th Feb. 1893.	
		Siruvadu	373	...	...	...	373	...	.. ...	
		Nemalur	980	...	...	...	980	...	.....	
		Irukulam	776	...	...	...	776	...	.....	
		Kuvakolli	228	...	..	228	...	...	No. 84 of 6th Feb. 1893.	Do.
		Nelvoyi	162	...	...	162	...	...	No. 34 of 16th Jan. 1893.	1 acre deducted at settlement and 161 acres transferred to reserved forest.
		Kalathur	212	...	...	212	...	...	No. 87 of 9th Feb. 1893.	Transferred to reserved forest.

* Correction of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
Chingleput—*cont.*	Tiruvallúr—*cont.*	Nayapakkam, A ...	1,421	...	...	...	1,421	...	.....	
		Do. B ...	164	...	...	164	...	...	No. 86 of 9th Feb. 1893.	1 acre excluded at settlement and 163 acres transferred to reserved forest.
		Do. C ...	105	...	...	105	...	....	No. 94 of 24th Feb. 1893.	
		Gúdalúr	2,744	...	...	2,744	...	...	No. 641 of 20th Sept. 1892.	Transferred to reserved forest.
		Mambakkam ...	766	...	...	766	...	...	No. 89 of 14th Feb. 1893.	40 acres deducted by rectification and 726 transferred to reserved forest.
	Chingleput ...	Melamaiyyur ...	49	...	...	...	49	...	.....	
		Achcharapakkam.	1,025 75	...	...	...	1,025 75	..	.....	
		Lattur	1,011	...	...	...	1,011	...	.....	
		Nedumaram ...	198	...	...	...	198	...	.....	
		Venmani ...	238	...	...	...	238	...	.....	
		Madayambakkam	241	...	...	...	241	...	.....	
		Sattamai	135	...	...	...	135	...	.....	
		Kattugudalur ...	2,064 1,805	...	...	...	2,064 1,805	...	.....	
		Rajupalliem ...	680 56	...	...	...	680 56	...	.....	
		Kurumbarai ...	237 192	...	...	...	237 192	...	.....	
		Endathur ...	271 11	...	...	...	271 11	...	.....	
		Tandalam, A and B	855 242	...	...	...	855 242	..	.....	
		Sirunallur ...	467 187	...	...	...	467 187	...	.....	
		Kannimangalam ...	142	...	...	...	142	...	.....	
		Nariamputtur ...	326	...	...	...	326	...	.....	
		Karukoli	600	...	...	...	600	...	.....	
		Kadalamangalam	731	...	...	...	731	...	.....	
		Vadatanur ..	1,078	...	...	...	1,078	...	.....	
		Vinayaganallur ...	127	...	...	...	127	...	.....	
		Kunamkolattur ...	106	...	...	...	106	...	.....	
		Bopanallur ...	538	...	...	...	538	...	.....	
		Muttukadu ...	86	...	...	...	86	...	.....	
		Indalur	424	...	...	...	424	...	.....	
		Poraiyur	123	...	...	...	123	...	.....	
		Gúdalúr	1,385	...	...	...	1,385	...	.....	
		Puragal	307	...	...	...	307	...	.....	
		Kaliyalam ...	1,165	...	...	...	1,165	...	.....	
		Oratti	348	...	...	...	348	...	.....	
		Irumbili	285	...	...	...	285	...	.....	
		Extension of Kolattur.	87	...	...	...	87	...	.....	
		Extension of Kayar.	470	...	...	...	470	...	.....	
	Saidapet ...	Madambakkam ...	567	..	...	...	567	...	.....	
	Tiruvallúr ...	Budur, A	...	...	87	...	87		No. 336 of 25th July 1892.	
		Do. B	...	...	1	...	1			
		Irukulam Extension 1.	...	...	216	...	216	...	No. 403 of 22nd Aug. 1892.	
		Sathiavedu Extension 1.	...		381	...	381	...	No. 336 of 25th July 1892.	
		Sathiavedu Extension 2.	...	...	347	..	347	...		
		Sathiavedu Extension 3.	...	...	479	...	479	...		

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and Date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
Chingleput—*cont.*	Tiruvallur.	Budur Extension I.	...	...	10	...	10	...	No. 336 of 25th July 1892.	
		Nemalur Extension I.	...	...	99	...	99			
		Sengiagaram ...	...	...	324	...	324	...	No. 64 of 2nd Feb. 1893.	
		Rajallah	...	...	131	...	131	...	No. 80 of 12th Feb. 1893.	
		Mopoorpalli ...	...	...	84	...	84	...	No. 70 of 2nd Feb. 1893.	
		Kambakkam Extension I.	...	...	318	..	318	...	No. 151 of 20th Mar. 1893.	
		Do. II.	...	...	610	...	610			
		Ambakkam Extension I.	...	...	80	...	80	..	No. 53 of 2nd Feb. 1893.	
		Do. II	...	...	98	...	98	...	No. 50 of 2nd Feb. 1893.	
		Do. III	...	...	294	...	294	...	No. 56 of 2nd Feb. 1893.	
		Do. IV	...	...	235	..	235	...	No. 58 of 2nd Feb. 1893.	
		Aradur Extention I.	...	...	288	...	288	...	No. 63 of 2nd Feb. 1893.	
		Do. II.	...	...	100	...	100	...	No. 71 of 2nd Feb. 1893.	
		Kodur Extension I.	...	...	94	..	94	...	No. 65 of 2nd Feb. 1893.	
		Do. II.	...	...	170	...	170	..		
		Do. III.	...	...	110	...	110	...		
		Allikuli Extension I	...	...	161	..	161	...	No. 69 of 2nd Feb. 1893.	
		Do. II.	...	...	93	...	93	...	No. 61 of 2nd Feb. 1893.	
		Do. III.	...	...	100	...	100	...	No. 66 of 2nd Feb. 1893.	
		Do. IV.	...	...	70	...	70	...	No. 79 of 2nd Feb. 1893.	
		Do. V.	...	...	99	...	99	...	No. 62 of 2nd Feb. 1893.	
		Do. VI.	...	...	129	...	129	...	No. 69 of 2nd Feb. 1893.	
		Do. VII.	...	...	258	...	258	...	No. 67 of 2nd Feb. 1893.	
		Palavakkam Extension. I.	...	..	736	...	736	...	No. 49 of 30th Jan. 1893.	
		Do. II.	...	...	294	...	294	...	No. 51 of 30th Jan. 1893.	
		Do. III.	...	...	110	...	110	...	No. 52 of 30th Jan. 1893.	
		Do. IV.	...	...	84	...	84	...	No. 54 of 30th Jan. 1893.	
		Do. V.	...	...	101	...	101	...	No. 57 of 30th Jan. 1893.	
		Do. VI.	...	...	117	...	117	...	No. 55 of 30th Jan. 1893.	
		Pulrambakkam Extension I.	...	...	127	...	127	..	No. 153 of 20th Mar. 1893.	
		Do. II.	...	...	295	...	295			
	Chingleput.	Nuvalur	...	...	338	...	338	...	No. 129 of 6th Mar. 1893.	
		Valuvadur ...	...	...	341	...	341	..	No. 155 of 18th Mar. 1893.	
		Karanai	...	...	672	...	672	...	No. 152 of 20th Mar. 1893.	
		Tirukalikuram Extension I.	...	...	975	..	975	...	No. 131 of 6th Mar. 1893.	
		Salur	..	...	1,231	...	1,231	...	No. 175 of 6th April 1893.	
		Total	31,163	48·69	10,887	5,395	36,655	57·27		

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
	Central Circle—*cont.*									
North Arcot.		Veerasettipalle ...	7,587	...	...	7,587	...	...	Nos. 295 and 301 of 21st June 1892.	7,287 acres transferred to reserved forest and 300 acres excluded at settlement.
		Chittapara ...	4,850	...	...	4,850	...	...	No. 119 of 18th Mar. 1892.	600 acres excluded at settlement and 4,250 acres transferred to reserved forest.
	Chittoor ...	Irala	16,130	...	...	16,130	...	...	No. 22 of 10th Jan. 1893.	8 acres excluded at settlement and 16,122 acres transferred to reserved forest.
		Chittoor	360	...	...	...	360	...	.....	
		Bommasamudram.	1,242	...	...	1,242	...	...	No. 597 of 13th Dec. 1892.	Transferred to reserved forest.
		Vavilitola ...	2,495	...	...	2,495	...	...	No. 19 of 2nd Jan. 1893.	
		Tavanampalle ...	2,060	...	...	2,060	...	...	No. 597 of 13th Dec. 1892.	
		Putalapattu ...	2,917	...	...	2,917	...	...	No. 106 of 24th Feb. 1893.	
	Chandragiri ...	Nagaputla ...	8,320	...	...	...	8,320	...	.....	
		Mungilpattu ...	23,040	...	...	...	23,040	...	.....	
		Tirupati Hill extension.	5,840	...	...	...	5,840	...	.....	
	Palmanér ...	Pedunaigdrug ..	12,800	...	...	12,800	...	...	No. 524 of 8th Nov. 1892.	12,760 acres transferred to reserved forest and 40 acres excluded at settlement.
		Panamadangi ...	9,600	...	...	9,600	...	...	No. 91 of 29th Feb. 1892.	9,340 acres transferred to reserved forest and 260 acres excluded at settlement.
		Paradarami extension.	2,500	...	...	2,500	...	...	No. 139 of 4th April 1892.	600 acres excluded at settlement and 1,900 acres transferred to reserved forest.
	Gudiyáttam ...	Sinnagunta ...	6,400	...	...	6,400	...	...	No. 445 of 13th Sept. 1892.	Transferred to reserved forest.
		Mordana extension.	9,600	...	...	9,600	...	...	No. 296 of 29th June 1892.	2 acres excluded at settlement and 9,598 acres transferred to reserved forest.
		Gundlapalli ...	8,420	...	...	...	8,420	...	.....	
		Pallalakuppam ...	6,212	...	...	6,212	...	...	No. 102 of 20th Feb. 1893.	
		Karapattu ...	8,388	...	...	...	8,388	...	.....	
		Ambur extension...	25,600	...	...	...	25,600	...	.....	
		Arasampet ...	18,000	...	* 13,480	...	31,480	...	.....	
		Attiyur	4,880	...	...	4,880	...	...	No. 238 of 16th May 1892.	72 acres excluded at settlement and 4,808 cres transferred to reserved forest.
	Vellore ...	Vellakal	5,280	...	...	...	5,280	...	.....	

* Rectification of area.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		Central Circle—*cont.*								
North Arcot—*cont.*	Pólúr ...	Allialamangalam ...	10,062	...	...	10,062	...	...	No. 310 of 22nd June 1892.	35 acres excluded at settlement and 10,027 acres transferred to reserved forest.
		Santhavasal ...	8,500	...	...	...	8,500	...	.....	
		Mulakadu ...	17,000	...	...	...	17,000	...	.....	
	Arcot ...	Sholavaram ...	1,232	...	...	1,232	...	...	No. 118 of 27th Feb. 1892.	69 acres excluded at settlement and 1,163 acres transferred to reserved forest.
	Wálajápet ...	Amur	6,020	...	...	6,020	...	...	No. 311 of 22nd June 1892.	38 acres excluded at settlement and 5,982 acres transferred to reserved forest.
		Kolatur	1,779	...	...	1,779	...	...	No. 89 of 5th Mar. 1892.	50 acres excluded at settlement and 1,729 acres transferred to reserved forest.
		Minnel	1,378	...	...	1,378	...	...	.....	Abandoned.
	Wandiwash ...	Ponnur	935	...	...	935	...	...	No. 307 of 22nd June 1892.	166 acres excluded at settlement and 769 acres transferred to reserved forest.
		Nedungunam ...	1,797	...	...	1,797	...	...	No. 78 of 23rd Feb. 1892	100 acres excluded at settlement and 1,697 acres transferred to reserved forest.
		Nedungal ...	3,645	...	...	3,645	...	...	No. 512 of 1st Nov. 1892.	65 acres excluded and 3,580 acres transferred to reserved forest.
	Vellore ...	Javadi Hill Block, Arasampet and Naickaneri notified as Karuthamalai Block.	10,240	...	1,760	...	*12,000	...	No. 297 of 5th June 1893.	
	Chendragiri ...	Panapakam extension.	...	...	10,170	...	10,170	...	No. 522 of 4th Nov. 1892.	
		Chendragiri hills ...	...	...	1,000	...	1,000	...	No. 246 of 27th April 1893.	
		Sanambatla ...	...	...	5,000	...	5,000	...		
		Damencherla ...	...	...	2,500	...	2,500	...		
	Palmanér ...	Melmayi	...	...	960	...	960	...	No. 442 of 29th Sept. 1892.	
		Palmanér Reserve.	...	...	1,920	...	1,920	...	No. 223 of 26th April 1893.	
	Vellore ...	Vellore block ...	...	...	1,000	...	1,000	...	No. 234 of 1st May 1893.	
		Kaniyambadi block	...	...	1,500	...	1,500	...	No. 249 of 26th April 1893.	
		Pallikonda block ...	...	...	2,000	...	2,000	...	No. 248 of 26th April 1893.	

* Notified under section 4.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
North Arcot—*cont.*	Vellore—*cont.*	Nellimalai block	...	...	1,500	...	1,500	...	No. 233 of 26th April 1893.	
		Paravamalai do.	...	...	4,000	...	4,000	...		
		Kylasagiri	...	...	1,200	...	1,200	...		
	Pólúr	Periyamalai	...	...	5,400	...	5,400	...	No. 208 of 12th May 1892.	
		Paruvadamalai	...	...	4,000	...	4,000	...	No. 592 of 28th Nov. 1892.	
		Santavasal extension.	...	...	260	...	260	...	No. 228 of 1st May 1893.	
	Wallajah	Vedantangal	64	...	...	...	64	...	.....	
		Balakrishnapuram.	63	...	...	...	63	...	.....	
		Kattupakkam	145	...	...	...	145	...	.....	
		Ayal	16	...	...	...	16	...	.....	
		Banavaram	35	...	...	...	35	...	.....	
		Head Assistant Collector's office compound, Arkónam.	4	...	...	...	4	...	.....	
		Total	255,436	399·12	57,650	116,121	196,965	307·76		
South Arcot.	No. I, Tiruvannámalai.	Valasamalai	12,738	...	...	...	12,738	...	.....	
		Tenmalai	50,428	...	...	50,428	...	...	No. 323 of 12th July 1892.	Transferred to reserved forest.
		Pelamaradur	9,148	...	...	9,148	...	...	No. 324 of 12th July 1892.	
		Nallapattu	6,748	...	...	6,748	...	...	No. 325 of 12th July 1892.	
		Paramanandel	1,800	...	...	6	1,794	...	.....	Cut off at settlement.
		Ravandavadi	13,333	...	...	...	13,333	...	.....	
		Ponniar	50,000	...	...	...	50,000	...	.....	
		Nattampalle	7,333	...	...	...	7,333	...	.....	
		Radapuram	7,000	...	...	...	7,000	...	.....	
		Kannamadai	7,000	...	...	...	7,000	...	.....	
	No. II, Tindivanam.	Padipallam	4,394	...	...	...	4,394	...	.....	
		Pakkam	14,894	...	...	...	14,894	...	.....	
		Kurumpuram, 1st Bit.	500	...	...	500	...	...	No. 107 of 11th Mar. 1892.	Transferred to reserved forest.
		Naduvandur	2,800	...	...	...	2,800	...	.....	
	No. III, Villupuram.	Panampattu	600	...	...	600	...	...	No. 205 of 11th May 1892.	Do.
		Kappiyampilyur	660	...	...	660	...	...	No. 381 of 13th Aug. 1892.	
		Gangarampalaiyam	435	...	...	435	...	...	No. 520 of 8th Nov. 1892.	
		Pulanjimalai	600	...	...	600	...	...	No. 589 of 12th Dec. 1892.	
		Tandavasamudram.	2,112	...	..	...	2,112	...	.....	
	No. IV, Cuddalore.	Ramapuram	1,730	...	...	1,730	...	...	No. 346 of 1st Aug. 1892.	Do.
		Doni Durai	192	...	...	192	...	...	No. 516 of 8th Nov. 1892.	92 acres excluded at settlement and *100* acres transferred to reserved forest.
		Periyakuppam	1,683	...	...	....	1,683	...	.....	
	No. IV, Chidambaram.	Periyapattu	1,130	...	...	1,130	...	...	No. 447 of 13th Sept. 1892.	Transferred to reserved forest.
		Killai	1,185	...	...	1,185	...	...	No. 475 of 5th Oct. 1892.	25 acres excluded by rectification and 1,160 acres transferred to reserved forest.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
South Arcot—*cont.*	No. IV, Chidambaram—*cont.*	Pichavaram ...	2,515	...	...	2,515	...	...	No. 580 of 28th Nov. 1892.	26 acres excluded at settlement and 2,489 acres transferred to reserved forest.
		Wallajah	2,820	...	...	2,820	...	...	No. 32 of 16th Jan. 1893.	50 acres excluded and 2,770 transferred to reserved forest.
	No. V, Tirukkóyilúr.	Nayanur	1,800	...	...	1,800	...	...	No. 561 of 25th Dec. 1892.	Transferred to reserved forest.
		Adukkam	2,000	...	...	2,000	...	...	No. 131 of 21st Mar. 1892.	
		Attipakam ...	4,500	...	...	4,500	...	...	No. 11 of 13th Dec. 1892.	
		Samimalai, 1st Bit.	4,641	...	...	...	4,641	...	.....	
		Do. 2nd Bit.	5,330	...	...	5,330	...	...	No. 185 of 6th May 1892.	Transferred to reserved forest.
		Sidevi	2,800	...	...	2,800	...	...	No. 534 of 16th Nov. 1892.	
		Alwarmalai ...	8,950	...	...	8,950	...	...	No. 120 of 27th Feb. 1893.	150 acres excluded and 8,800 acres transferred to reserved forest.
		Sirupakam ...	1,080	...	...	1,080	...	...	No. 256 of 10th June 1892.	Transferred to reserved forest.
		Edakal	3,390	...	...	3,390	...	...	No. 211 of 10th May 1892.	
		Pandur	955	...	...	955	...	...	No. 131 of 21st Mar. 1892.	
		Perichanur ...	650	...	...	650	...	...	No. 234 of 26th May 1892.	
		Nattanur, 1st Bit.	4,500	...	...	4,500	...	...	No. 140 of 8th April 1892.	
		Do. 2nd Bit.	3,800	...	...	3,800	...	...	No. 133 of 22nd Feb. 1892.	
		Takarai	15,400	...	...	...	15,400	...	.....	
		Kanai	2,220	...	...	2,220	...	...	No. 260 of 10th June 1892.	Transferred to reserved forest.
		Pavunjipattu ...	4,500	...	...	...	4,500	...	.....	
	No. VI, Kallakurchi.	Rangappanur ...	2,200	...	...	2,200	...	...	No. 444 of 12th Sept. 1892.	Transferred to reserved forest.
		Mallapuram ...	1,025	...	...	1,025	...	...	No. 263 of 10th June 1892.	
		Kanankadu ...	3,520	...	...	130	3,390	...	.....	Cut off at settlement.
		Kottalammalai ...	2,880	...	...	2,880	...	...	.....	
		Kristnapuram ...	6,150	...	...	240	5,910	...	.....	Cut off at settlement.
		Nangur	1,625	...	...	1,625	...	...	No. 455 of 23rd Sept. 1892.	Transferred to reserved forest.
		Veppur	3,970	...	...	3,970	...	...	No. 104 of 13th Feb. 1893.	170 acres excluded and 3,800 acres transferred to reserved forest.
	No. VII, Vriddhachalam.	Kottanur	4,100	...	...	4,100	..	...	No. 596 of 12th Dec. 1892.	220 acres excluded and 3,880 acres transferred to reserved forest.
		Narasingamangalam.	835	...	...	835	...	...	No. 438 of 7th Sept. 1892.	Transferred to reserved forest.
		Karmangudi ...	1,170	...	...	20	1,150	...	.....	Cut off at settlement.
		Parur	2,660	...	...	2,660	...	...	No. 563 of 28th Nov. 1892.	Transferred to reserved forest.
		Sanakotai ...	6,270	...	...	...	6,270	...	.....	

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
South Arcot—*cont.*	No. VII, Vriddhachalam—*cont.*	Ammeri	1,350	...	...	500	850	...	.....	Cut off at settlement.
		Kuppanattam ...	840	...	...	840	...	...	No. 431 of 7th Sept. 1892.	Transferred to reserved forest.
		Kattumayilur ...	1,590	...	...	1,590	...	...	No. 460 of 23rd Mar. 1892.	3 acres excluded and 1,587 acres transferred to reserved forest.
	No. I, Tiruvannámalai.	Melchengam ...	2,000	...	...	400	1,600	...		Cut off when proposing under section 4.
		Pinjur	8,640	...	...	...	8,640	...		
		Munnurmangalam.	4,160	...	...	...	4,160	...		
		Eraiyurmalai ...	7,125	...	...	1,425	5,700	...	No. 292 of 10th June 1892.	Do.
		Uchimalai ...	3,500	...	...	100	3,400	...		Do.
		Pumalai	3,200	...	...	...	3,200	...		
		Rayandapuram ...	7,000	...	...	70	6,930	...		Do.
		Sennyampettai ...	3,720	...	...	..	3,720	...		
		Kanji	3,040	...	...	...	3,040	...		
		Gongampattu ...	1,920	...	...	...	1,920	...		
		Sorakolattur ...	7,600	...	...	...	7,600	...		
		Devanandal ...	2,000	...	...	20	1,980	...		Do.
		Kodambai	2,000	...	...	50	1,950	...		Do.
		Tachampattu ...	2,300	...	...	...	2,300	...		
	No. IV, Cuddalore.	Siruvattur	212	...	...	...	212	...	No. 241 of 26th May 1892.	
		Ranganadapuram.	620	...	80	...	700	...		
		Puvamkuppam ...	640	...	...	20	620	...		Cut off when porposing under section 4.
	No. IV, Chidambaram.	Adivarahanallur ...	1,860	...	...	...	1,860	...	No. 241 of 26th May 1892.	
		Nisingan	800	...	...	...	800	...		
		Rampakkam ...	635	...	...	...	635	...		
		Kondapuram ...	972	...	...	...	972	...		
		Kolakudi ...	659	...	...	...	659	...		
	No. V, Tirukkóyilúr.	Velandai	1,200	...	...	...	1,200	...	No. 262 of 16th May 1892.	Cut off when proposing under section 4.
		Sengamodu ...	755	...	...	...	755	...		
		Sittamur	1,510	...	...	...	1,510	...		
		Odiattur	1,696	...	...	...	1,696	...		
		Emappur	340	...	...	5	335	...		
		Mambakkam ...	480	...	...	...	480	...		
		Elandurai	307	...	...	...	307	...		
		Tiruvannanallur ...	240	...	...	...	240	...		
		Kalamaradur ...	1,350	...	...	...	1,350	...		
		Kunjaram ...	5,090	...	...	...	5,090	...		
		Pachapalaiyam ...	1,600	...	...	...	1,600	...		
		Kallamedu ...	1,235	...	...	...	1,235	...		
	No. VI, Kallakurchi.	Rishivendiem ...	5,200	...	250	...	5,450	...	No. 264 of 30th May 1892.	
		Sittalur	1,000	...	...	...	1,000	...		
		Parasakurchi ...	950	...	30	...	980	...		
		Varanjaram ...	900	...	...	...	900	...		
		Magarur	1,440	...	...	...	1,440	...		
	No. VII, Vriddhachalam.	Periyanisalur ...	720	..	...	...	720	...	No. 262 of 16th May 1892.	
		Ivadagudi ...	650	...	...	...	650	...		
		Sattiyam ...	416	...	...	...	416	...		
		Vriddhachalam tank.	192	...	...	...	192	...		
		Kannapuram ...	1,800	...	400	...	2,200	...		
		Narimanam ...	640	...	110	...	750	...		
		Periyakurichi ...	360	...	10	...	370	...		
		Velankulam ...	1,390	...	...	...	1,390	...		
		Kattiyanallur ...	960	...	...	10	950	...		
	No. II, Tindivanam.	Annamangalam ...	...	...	700	...	700	...	No. 209 of 20th April 1893.	Cut off when proposing under section 4
		Vilukkam	...	...	410	...	410	...		
		Melsevur, 1st Bit...	...	...	730	...	730	...		

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		CENTRAL CIRCLE—*cont.*								
South Arcot—*cont.*	No. II, Tindivanam—*cont.*	Melsevur, 2nd Bit.	...	...	380		380	...	No. 209 of 20th April 1893.	
		Edangalam ...	...	...	460	...	460	...		
		Olakkur	...	...	410	...	410	...		
		Perumukkal ...	...	...	150	...	150	...		
		Kilanjanur ...	...	...	340	..	340	...		
		Doni Durai, North Bit.	...	...	45	...	45	...	No. 167 of 6th April 1893.	
		Total ...	407,503	636·72	4,505	145,387	266,621	416·60		
Tanjore.	Northern Range.	Vettangudi ...	1,900	...	...	...	1,900	...	.....	
		Talanthondi ...	100	...	...	100	...	...	No. 450 of 22nd Sept. 1892.	Struck off.
		Karpalam ...	54	...	...	...	54	...	.....	
		Kadakkavinayaganellur.	90	...	...	...	90	...	.....	
		Ambanar, No. I ...	134	...	...	...	134	...	.....	
		Do. „ II ...	122	...	...	...	122	...	.....	
		Kaliyappanallur ...	20	...	...	...	20	...	.....	
	Southern Range.	Kodiyakadu, Point Calimere.	4,355	...	...	4,355	...	...	No. 188 of 4th May 1892.	151 acres excluded by rectification and 4,204 acres transferred to reserved forest.
		Edangankottai ...	193	...	* 1	194	...	...	No. 51 of 27th Jan. 1892.	
		Perumagalur ...	13	...	...	...	13	..	.....	
		Kalakudi	13	...	...	...	13	...	.....	
		Muthukurichi ...	10	...	...	...	10	...	.....	
		Annikadu	10	...	...	...	10	...	.....	
		Vattagudi ...	10	...	...	...	10	...	.....	
		Alattur	10	...	...	...	10	...	.....	
		Kannugudi, No. I.	10	...	...	...	10	...	.....	
		Do. „ II.	266	...	...	...	266	...	.....	
		Pambathukadu ...	203	...	...	...	203	...	.....	
		Kathuvani Vakkanathi Reserve.	53	...	...	...	53	...	.....	
		Nannilam ...	2	...	...	...	2	...	.....	
		Melakadu ...	331	...	...	...	331	...	.....	
		Vendayampatti ...	231	...	...	...	231	...	.....	
		Kambyanatham ...	65	...	...	...	65	...	.....	
		Kurungulam No. I.	100	...	...	...	100	...	.....	
		Do. „ II.	141	...	...	...	141	...	.....	
		Tholaraputti ...	538	...	...	...	538	...	.....	
		Pinganmodu ...	116	...	...	...	116	...	.....	
		Vaduvur, No. I...	57	...	...	...	57	...	.....	
		Do. „ II...	94	...	...	...	94	...	.....	
		Do. „ III...	38	...	...	...	38	...	.....	
		Do. „ IV...	133	...	...	...	133	...	.....	
		Do. „ V...	124	...	...	...	124	...	.....	
		Do. „ VI...	146	...	...	...	146	...	.....	
		Do. „ VII...	212	...	...	...	212	...	.....	
		Sorapettai ...	70	...	...	...	70	...	.....	
		Ullikottai ...	130	...	...	...	130	...	.....	
		Total ...	10,094	15·77	1	4,649	5,446	8·51		
Trichinopoly.	Trichinopoly ...	Ettarai	483	...	...	...	483	...	.....	
		Adavatur, No. I...	370	...	...	...	370	...	.....	
		Do. „ II...	331	...	...	...	331	...	.....	
		Velur	382	...	...	...	382	...	.....	
		Kotrapatti ...	211	...	...	...	211	...	.....	
		Natarajapuram ...	109	...	...	...	109	...	.....	
		Alandur	149	...	...	...	149	...	.....	
		Adavattur ...	144	...	...	...	144	...	.....	
		Punganur	281	...	...	...	281	...	.....	
	Kulittalai ...	Pudur	143	...	...	...	143	...	.....	
		Sekkonam... ...	119	...	...	...	119	...	.....	
		Mahadanapuram ...	191	...	...	...	191	...	.....	
		Pillapalaiyam ...	11	...	...	...	11	...	.....	
		Vengampatti ...	103	...	...	...	103	...	.....	

* Rectification of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Central Circle—*cont.*								
Trichinopoly—*cont.*	Kulittalai—*cont.*	Karuppur Reddipatti Hill.	4,112	...	...	4,112	...	...	No. 171 of 27th April 1892.	512 acres excluded at settlement and 3,600 acres transferred to reserved forest.
		Sivayam	108	...	...	...	108	...	.....	
		Neidalur	182	...	...	...	182	...	.....	
		Kilamanalmadu ...	131	...	...	...	131	...	.....	
		Nallur and Kallai Pothaikadu.	179	...	...	...	179	...	.....	
		Gudalur Pattuvade Kadu.	213	...	...	...	213	...	.....	
		Summareikadu Pothuravattampatti.	189	...	...	...	189	...	.....	
		Melavaliyur, Eastern block.	228	...	...	...	228	...	.....	
		Melavaliyur, Western block.	426	...	...	...	426	...	.....	
		Padiripati ...	413	...	...	...	413	...	.....	
		Perumal Pothaikadu (Vadaser and Kilavaliyur).	525	...	...	...	525	...	.....	
		Chinna Pillur Dharisu.	176	...	...	...	176	...	.....	
		K. Periapatti Kuppanarpattimel block.	269	...	...	...	269	...	.....	
		Mattaghiri Therkumedu.	455	...	...	...	455	...	.....	
		Tavalavirampatti Vyamalai Kilkadu	254	...	...	...	254	...	.....	
		Tavalavirampatti Karum Kadu.	293	...	...	...	293	...	.....	
		Sokkanathanpatti Pothai (V. Periapatti).	93	...	...	...	93	...	.....	
		Amayapuram Perumaraikadu.	1,042	...	...	...	1,042	...	.....	
		Pannaipatti Perumalpothai.	478	...	...	...	478	...	.....	
		Kombadippatti ...	240	...	...	...	240	...	.....	
	Musiri ...	Omandur	321	...	...	...	321	...	.....	
		Tolayanatham and Kotharapatti.	333	...	...	...	333	...	.....	
		Tirutalaiyur ...	125	...	...	...	125	...	.....	
		Yedumalai ...	959	...	...	...	959	...	.....	
		Vellakalpatti ...	1,224	...	...	...	1,224	...	.....	
		Pulivalam ...	522	...	...	...	522	...	.....	
		Mavalapatti ...	1,010	...	...	...	1,010	...	.....	
		Visaltchiammall Samudram.	138	...	...	...	138	...	.....	
		Manmalai, Kanjurmalai and Udavampattimalai.	3,000	...	*3,000	6,000	...	...	No. 184 of 4th May 1892.	Transferred to reserved forest.
		Kanapadi Vannad.	10,000	...	...	10,000	...	...	No. 45 of 19th Jan. 1892.	
	Perambalúr ...	Kunnam	195	...	...	...	195	...	.....	
		Kottavasel ...	167	...	...	...	167	...	.....	
		Karaipadi	221	...	...	...	221	...	.....	
		Valaiyur Plateau ...	3,000	...	...	3,000	...	...	No. 189 of 29th Oct. 1891.	Struck off. Omitted to be excluded in 1891-92 report.
		Do. Slope ...	3,840	...	...	3,840	...	...		
		Udumbiyam ...	500	...	...	...	500	...	.....	
		Periyavenmani ...	138	...	...	...	138	...	.....	
		Tondapadi ...	276	...	...	...	276	...	.....	
		Anukur	487	...	...	...	487	...	.....	
		Malvoy	264	...	...	...	264	...	.....	
		Nossiyam	152	...	...	...	152	...	.....	
		Puduvettakudi ...	113	...	...	...	113	...	.....	
		Kallakudi	123	...	...	...	123	...	.....	

* Correction of area.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Central Circle—*cont.*									
Trichinopoly—*cont.*	Perambalúr—*cont.*	Attiyur	98	...	...	...	98	...	.....	
		Veppantatti	213	...	...	...	213	...	.....	
		Pasumbalur Therkukarai.	149	...	...	...	149	...	.....	
		Pasumbalur Vadakarai.	240	...	...	...	240	...	.....	
		Nunno	175	...	...	...	175	...	.....	
		Kolattur	116	...	...	...	116	...	.....	
		Ogalur	190	...	...	...	190	...	.....	
		Sirukudal	166	...	...	...	166	...	.....	
		Saturbakam	352	...	...	...	352	...	.....	
		Kelapuliyur	229	...	...	...	229	...	.....	
		Neikuppei, No. I	154	...	...	...	154	...	.....	
		Do. „ II.	90	...	...	...	90	...	.....	
		Yesanai	113	...	...	...	113	...	.....	
		Peramattur	658	...	...	...	658	...	.....	
		Mavalingai	260	...	...	...	260	...	.....	
		Pulambadi, No. I.	222	...	...	...	222	...	.....	
		Do. „ II.	645	...	...	...	645	...	.....	
		Do. „ III.	133	...	...	...	133	...	.....	
		Visvakudi	150	...	...	...	150	...	.....	
		Mattavarai	283	...	...	..	283	...	.....	
		Ariyur, No. I	290	...	...	...	290	...	.....	
		Do. „ II	140	...	...	...	140	...	.....	
		Ladapuram	103	...	...	...	103	...	.....	
		Sittalai	404	...	...	...	404	...	.....	
		Sinnavadakarai	268	...	...	...	268	...	.....	
		Nuttapur	175	...	...	...	175	...	.....	
		Maikurambalur	269	...	...	...	269	...	.....	
		Sattanavadi	214	...	...	...	214	...	.....	
		Vengalam	361	...	...	...	361	...	.....	
		Kalpadi	300	...	...	..	300	...	.....	
		Venparur	1,024	...	...	...	1,024	...	.....	
		Paravai	150	...	...	...	150	...	.....	
		Nerkunam	1,253	...	...	...	1,253	...	.....	
		Tevanjur	253	...	...	...	253	...	.....	
		Mettupalaiyam	539	...	...	...	539	...	.....	
		Elambalur	214	...	...	...	214	...	.....	
		Maravattur	261	...	...	...	261	...	.....	
		Kanakasittur	310	...	...	...	310	...	.....	
		Peraiyur	856	...	...	...	856	...	.....	
		Vennarampundi	214	...	...	...	214	...	.....	
		Tiruvalandurai	197	...	...	...	197	...	.....	
		Birmadesam	273	...	...	...	273	...	.....	
		Kurumbalur	366	...	...	...	366	...	.....	
		Numbakurichi, No. I	328	...	...	...	328	...	.....	
		Do. „ II	165	...	...	...	165	...	.....	
		Kilarasur	207	...	...	...	207	...	.....	
		Kilakkarai	119	...	...	...	119	...	.....	
		Yeraiyur and Naduvasal.	562	...	...	...	562	...	.....	
		Naduvasal	176	...	...	...	176	...	.....	
		Sirumattur	499	...	...	...	499	...	.....	
	Udaiyárpálaiyam.	Karaipakkam	83	...	...	83	...	...	No. 122 of 18th Mar. 1892.	Transferred to reserved forest.
		Tiruvenganur, Nos. I to V.		...	...	136	...	...	No. 118 of 18th Mar. 1892.	Do.
		Sattambadi, Nos. I to XI.		...	...	179	...	...	No. 123 of 18th Mar. 1892.	Do.
		Total	55,665	86·98	3,000	27,350	31,315	48·93		
Salem.	Atur	Pattimedu	3,046	...	...	...	3,046	...	.....	
		Nagalur	6,138	...	...	...	6,138	...	.....	
		Thumbal	3,680	...	...	...	3,680	...	.....	
		Mannur	4,000	...	...	...	4,000	...	.....	
		Pattimedu extension.	1,200	...	...	...	1,200	...	.....	
		Thumbal do.	4,800	...	...	...	4,800	...	.....	

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		Central Circle—*cont.*								
Salem—*cont.*	Atur—*cont.*	Jadayagounden Slope.	11,220	...	...	...	11,220	...	.....	
		Gangavalle ...	7,040	...	...	...	7,040	...	.....	
		Varagur extension.	500	...	...	500	...	...	No. 254 of 30th May 1892.	14 acres excluded by rectification of area and 486 acres transferred to reserved forest.
	Salem ...	Kurumbapatti extension.	10,000	...	...	...	10,000	...	.....	
		Ramaswami Malai.	3,000	...	...	3,000	...	...	No. 404 of 19th Aug. 1892.	Transferred to reserved forest.
		Arasankad ...	2,500	...	...	2,500	...	...	No. 92 of 29th Feb. 1892.	
		Kaputu	3,500	...	...	3,500	...	...	No. 510 of 2nd Nov. 1892.	
		Pudupatti ...	7,500	...	...	7,500	...	...	No. 90 of 5th Mar. 1892.	
		Nagaramalai ...	1,280	...	...	...	1,280	...	.....	
		Saniyasimalai ...	600	...	...	600	...	...	No. 54 of 27th June 1892.	61 acres excluded by rectification of area and 539 acres transferred to reserved forest.
		Yelattur	2,000	...	...	...	2,000	...	.....	
		Kudimaduvu ...	4,307	...	...	4,307	..	...	No. 366 of 3rd Aug. 1892.	Transferred to reserved forest.
	Úttankarai ...	Kouramalai extension.	4,000	...	...	...	4,000	..	.....	
		Mukanur	8,000	...	...	...	8,000	...	.....	
		Thombakal extension.	3,840		...	3,840	...	...	No. 265 of 30th May 1892.	Transferred to reserved forest.
		Nochikuttai ...	7,917	...	...	7,917	...	...	No. 397 of 22nd Aug. 1892.	
		Kalnad	4,320	...	...	4,320	...	...	No. 202 of 10th May 1892.	
		Chitteri extension.	2,880	...	...	2,880	...	...	No. 255 of 30th May 1892.	
		Veppambatti ...	8,640	...	...	8,640	...	...	No. 242 of 26th May 1892.	
		Thirthamalai ...	11,046	...	...	11,046	...	...	No. 519 of 7th Nov. 1892.	
	Tiruppattúr ...	Vellakuttai ...	1,152	...	...	...	1,152	...	.....	
		Inner Javadi Block.	32,000	...	...	...	32,000	...	.....	
		Andiappanur, New Reserve.	7,500	...	...	...	7,500	...	.....	
	Úttankarai and Tiruppattúr.	Govindapuram ...	2,700	...	...	2,700	...	...	No. 402 of 19th Aug. 1892.	Transferred to reserved forest.
	Tiruppattúr and Krishnagiri.	Nandibanda ...	2,500	...	...	...	2,500	...	.....	
	Hosúr ...	Galigattam ...	6,080	...	...	6,080	...	...	No. 279 of 13th June 1892.	Transferred to reserved forest.
		Kestur extension ...	3,600	...	...	3,600	...	...	No. 280 of 13th June 1892.	
		Tali extension ...	4,320	..	...	4,320	...	...	No. 547 of 25th Nov. 1892.	
	Dharmapuri ...	Kesaraguli ...	6,400	...	...	6,400	...	...	No. 300 of 22nd June 1892.	
		Picklimalai ...	6,400	...	...	6,400	...	...	No. 261 of 30th May 1892.	
		Bathanavadi ...	27,000	...	...	27,000	...	...	No. 398 of 22nd Aug. 1892.	
		Kelapambadi ...	9,500	...	...	...	9,500	...	.....	
		Thoppur	7,000	...	...	7,000	...	...	No. 121 of 15th Mar. 1892.	Transferred to reserved forest.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		Central Circle—*cont.*								
Salem—*cont.*	Krishnagiri ...	Maharajgudai ...	10,304	...	...	...	10,304	...	.....	
		Neralkota ..	7,040	...	(*a*) 100	7,140	..	...	No. 30 of 16th Jan. 1893.	(*a*) Added by correction of area. Transferred to reserved forest.
		Maharajgudai extension.	2,560	...	...	...	2,560	...	.....	
		Varatanapalli ...	2,216	...	...	...	2,216	...	.....	
	Úttankarai ...	Thattakal ...	857	...	...	...	857	.	... ..	
		Karungal	4,320	...	...	...	4,320	...		
		Úttankarai, New ...	3,200	...	...	...	3,200	...		
		Wonnagiri... ...	2,944	...	...	...	2,944	...		
		Kallavi	4,160	...	...	...	4,160	...	.....	
		Poyyapatti ...	3,488	...	...	.	3,488	...	.....	
		Morappur ...	4,000	...	...	...	4,000	...	.....	
		Harur, New ...	1,901	...	...	..	1,901	...	.....	
		Kaladipatti ...	2,912	...	...	.	2,912	...	.. ...	
		Thenkaraikota ...	2,368	..	...	...	2,368	...	.....	
		Kouramalai ..	8,512	...	...	...	8,512	...	.....	
	Hosúr ...	Hulibanda ..	7,360	...	...	...	7,360	...	.....	
		Pani	5,856	...	...	...	5,856	...	.....	
		Kundukottai ...	4,768	...	...	...	4,768	...	.....	
		Sivanhalli ...	4,992	...	...	...	4,992	...	.....	
	Salem ...	Velampatti ...	3,500	..	.	...	3,500	..	.....	
		Kurichi	2,300	..	...	...	2,300	...	.....	
		Mallur	5,000	...	...	...	5,000	...	.....	
		Total ...	337,664	527·6	100	131,190	206,574	322·77	.....	
		Total of the Circle.	2,337,897	3,652·96	113,825	843,926	1,607,796	2,512·18	.....	
		Southern Circle.								
Madura.	I. Cumbum ...	Kombai ...	3,840	...	...	3,840	...	...	No. 517 of 7th Nov. 1892.	Transferred to reserved forest.
		No. I, Vellaikaradu	198 442	..	...	...	(*b*) 198 442	...	(*b*) No. 321 of 23rd June 1892.	Notified under section 4.
		No. II, Sonaikaradu.	182	...	...	...	182	...	.....	
		No. III, Mottaikaradu.	320	...	* 70	...	390	...	No. 321 of 23rd June 1892.	
		No. IV, Kuttaikaradu.	125	...	...	...	125	...	.....	
		No. V, Nagarmalaikaradu.	118	...	...	...	118	...	.....	
		No. VI, Perumalkovilkaradu.	640	...	..	* 211	(*c*) 429	...	(*c*) No. 298 of 15th June 1892.	
		No. VII, Sanyasikovilkaradu.	283	...	...	...	283	...	... ..	
		Nallatevanpatti ...	1,920	...	1,440	...	(*d*) 3,360	...	(*d*) No. 298 of 15th June 1892.	
	Tangedu ...	Certain lands on the Lower Palni Hills lying outside the limits of certain cultivated lands and cultivable waste.	1,203	...	...	...	1,203	...		
		Upper Palni Plantations.	...	...	(*e*) 47	(*f*) 47	...	...	(*e*) No. 298 of 15th June 1892. (*f*) No. 142 of 17th March 1893.	
		Manjakaraiar ...	50	...	...	...	50	...	.....	
		Kadavamalai ...	717	...	...	...	717	.	No. 278 of 15th June 1892.	Notified under section 4.

* By rectification of area.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		SOUTHERN CIRCLE—*cont.*								
Madura—*cont.*	Tangedu—*cont.*	Vanjankanal ...	15	...	...	...	15	...	.....	
		Vattilapatti ...	...	...	896	...	896	...	No. 298 of 15th June 1892.	
	II. Palni Hill.	Alayadikanal or Muliyur.	2,080	...	...	...	2,080	...	.....	
	Tangedu ..	Chikodikanal ...	20	...	...	...	20	...	.....	
		Koviladi	224	...	...	...	224	..	No. 278 of 15th June 1892.	
		Sirugammalai Block.	160	...	...	...	160	...		
		Talakodikadu ...	25	...	...	...	25	..	.....	
		Tinnikutukadu ...	1,600	...	...	...	1,600	...	.....	
		Poliyapattimalai ...	50	...	...	...	50	...	.....	
	Palni Hill ...	Periyasholakadu Elamalai or Umaiyar.	448	...	...	...	448	...	No. 278 of 15th June 1892.	
	Tangedu ...	Nedumbaraikadu.	19	...	...	...	19	...	.....	
	Palni Hill ...	Ponyettukanal or Kodavanai.	134	...	...	...	134	...	No. 278 of 15th June 1892.	
		Karadikuttu ...	...	..	1,035	...	1,035	...	No. 197 of 4th May 1892.	
		Manjapatti ...	...	...	2,560	...	2,560	...	No. 278 of 15th June 1892.	
	IV. Palamedu	Kiluvamalai ...	1,920	...	80	2,000	...	...	No. 46 of 22nd Jan. 1892.	Added at settlement. Transferred to reserved forest.
		Tiruparangundram	960	...	...	...	960	...	.....	
		Elephant Rock ...	640	...	...	...	640	...	.....	
		Ammanamalai ...	1,600	...	...	...	1,600	...	.....	
		Mutupattimalai ...								
		Vandiyoor Rock ...								
		Nagamalai ...	...	...	3,404	...	3,404	...	No. 197 of 4th May 1892.	
		Dhonikaradu ...	...	...	1,114	...	1,114	...		
		Sanglikaradu ...	...	...	275	...	275	...		
		Kuppuvamadi ..	...	...	1,312	...	1,312	...		
		Puvathukaradu ...	...	...	(*a*) 1,024	(*b*) 1,024	...	...	(*a*) No. 197 of 4th May 1892. (*b*) No. 148 of 20th Mar. 1893.	(*b*) Transferred to reserved forest.
		Ulmananai ...	...	...	122	...	122	...	No. 197 of 4th May 1892.	
		Boothakaradu ...	...	...	(*c*) 934	(*d*) 934	...	...	(*c*) No. 197 of 4th May 1892. (*d*) No. 603 of 12th Dec. 1892.	
	No. I, Cumbum Valley Range	Agamalai	...	...	3,673	...	3,673	...	No. 197 of 4th May 1892.	
		Pottaikaradu ...	...	...	147	...	147	...		
		Valkaradu ...	...	...	716	...	716	...		
		Pannymuthukaradu.	...	...	378	...	378	...		
		Sungakaradu ...	...	...	836	...	836	...	No. 321 of 23rd June 1892.	
		Shallimalaikaradu.	...	...	442	...	442	...	No. 197 of 4th May 1892.	
		Andipatti, N. ...	...	...	3,148	...	3,148	...		
		Do. C. & S.	...	...	6,768	...	6,768	...		
		Ambukaradu, I ...	..	...	358	...	4,025	...	No. 321 of 23rd June 1892.	
		Rajadani, II ...	...	...	2,720					
		Velayapatti, III ...	...	...	947					
		Perumaulkovil Karadu, IV.	...	...	442	...	442	...	No. 321 of 23rd June 1892.	
		Shungakaradu, V.	...	...	832	...	832	...		
		Munkaradu ...	...	...	2,150	...	2,150	...		
		Kuvakkapatti ...	...	...	115	...	115	...	No. 298 of 15th June 1892.	
		Kondrankimalai ...	...	...	316	...	316	...	No. 197 of 4th May 1892.	
	Tandigudy ...	Kuchukaradu ...	...	...	2,396	...	2,396	...	No. 321 of 23rd June 1892.	
		Rangamalai ...	...	...	998	...	998	...	No. 298 of 15th June 1892.	
		Karumalai ...	...	...	2,400	...	2,400	..		

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
Madura—*cont.*	IV. Palamedu Range.	Sirumalai, N.W. slopes.	...	...	3,230	...	3,230	...	No. 197 of 4th May 1892.	
		Beerinjikaradu ...	...	...	243	..	243	...		
		Sembatti Hills ...	...	...	2,420	...	2,420	...	No. 235 of 13th May 1892.	
		Ponnamalai ...	...	...	998	...	998	...	No. 197 of 4th May 1892.	
		Sirumalai, N.E. slopes.	...	..	1,075	...	1,075	...	No. 321 of 23rd June 1892.	
		Parayankaradu ...	...	...	557	...	557	...	No. 197 of 4th May 1892.	
		Usilampatti ...	...	...	224	...	224	...	No. 298 of 15th June 1892.	
		Mundigamalai ...	...	...	557	...	557	...	No. 235 of 13th May 1892.	
		Kannatimalai ...	...	...	288	...	288	...	No. 298 of 15th June 1892.	
		Moonookaradu ...	...	...	275	...	275	...	No. 321 of 23rd June 1892.	
		Sanamalai ...	...	...	480	...	480	...		
		Perumalmalai, III.	...	...	525	...	525	...	No. 235 of 13th May 1892.	
		Nedumalai ...	...	...	1,088	...	1,088	...		
		Sakkimangalam ...	...	...	973	...	973	...		
		Perumalmalai ...	...	...	1,056	...	1,056	...		
		Vellamalai ...	...	...	550	...	550	..		
		Pappamalai ...	...	...	352	...	352	...	Do.	
		Erakalamalai ...	...	...	4,000	...	4,000	...	No. 197 of 4th May 1892.	
		Thoppaswamy Malai.	...	...	7,281	...	7,281	...		
		Mungilkaradu ...	...	...	1,760	...	1,760	...	No. 298 of 15th June 1892.	
		Bodumalai ...	...	...	435	...	435	...		
		Silakaradu ...	...	...	512	...	512	...	No. 321 of 23rd June 1892.	
		Nachukaradu ...	...	...	141	...	141	...		
		Sigankaradu ...	...	...	166	...	166	...		
		Muthugamalai ...	...	...	1,498	...	1,498	...	No. 197 of 4th May 1892.	
		Nedamkuttu ...	...	...	941	...	941	...	No. 235 of 13th May 1892.	
		Sethur Nedumalai.	...	...	397	...	397	...	No. 321 of 23rd June 1892.	
		Chinnapattikaradu.	...	...	816	...	816	...		
		Chitrakuttur ..	...	...	147	...	147	...		
		Kodangikuttu ...	...	...	4,000	...	4,000	...	No. 197 of 4th May 1892.	
	V. Kanavoipatti.	Mamalai	...	...	794	...	794	...	No. 235 of 13th May 1892.	
		Simmattukaradu ...	...	...	486	...	486	...		
		Karumalai ...	...	...	1,894	...	1,894	...	No. 298 of 15th June 1892.	
		Velacheripatti Hills	...	...	1,248	...	1,248	...	No. 235 of 13th May 1892.	
		Packrottimalai Hills	...	...	339	...	339	...	No. 298 of 15th June 1892.	
		Vellimalai Nedumalai.	...	...	1,005	...	1,005	...	No. 235 of 13th May 1892.	
		Ottarankuttu ...	...	...	410	...	410	...		
		Kaluvadi Malai ...	...	...	673	...	673	...		
		Vatamalai ...	...	...	512	...	512	...	No. 321 of 23rd June 1892.	
		Mangalapatti Karadu.	...	...	147	...	147	...		
		Seerangattupatti Karadu.	...	...	428	...	428	...		
		Malayandikuttu ...	...	...	154	...	154	...		
		Total ...	19,033	31·14	89,170	8,056	101,047	157·89		
Tinnevelly.	Tenkarai ...	Kudiraimalai ...	13,393	...	...	13,393	...	...	No. 309 of 21st June 1892.	
	Ottappidáram ..	Vaippar	813	...	...	...	813	...		
		Total ...	14,206	22·19	...	13,393	813	1·27		

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
North Coimbatore.	Satyamangalam.	Gutialatur ...	179,200	...	...	...	179,200	...	.....	
		Do. Extension.	..	...	5,760	...	5,760	...	No. 298 of 8th June 1893.	
	Talamalai ...	Talamalai Extension.	...	...	3,840	...	3,840	...		
	Kollegal ...	Yedaralli and Ponnachi.	435,200	...	...	142,080	334,080	...	(a)No. 295 of 7th June 1893, section 4.	(a) Area un reserved.
		Doddasampagai Extension.	(a)3,200							
		Cowdally Block ...	16,000							
		Hanur Block ...	21,760							
	Bhavâni ...	Palamalai ...	28,160	...	...	...	28,160	...	.....	
		Burgur, North and South.	191,360 23,680	...	...	...	215,040	...	.....	
	Erode ...	.....	27,927	...	...	...	27,927	...	.....	
	Karûr ...	Karavalli	65	...	...	65	...	...	No. 320 of 9th July 1892.	Transferred to reserved forest.
		Thalauthupatti ...	59	...	...	59	...	...	No. 169 of 27th April 1892.	
		Molaipalaiyam ...	143	...	...	...	143	...	.....	
		Thottiyavadi ...	193	...	...	193	...	...	No. 302 of 22nd June 1892.	Do.
		Thalapatti ...	168	...	...	168	...	...	No. 521 of 7th Nov. 1892.	11 acres excluded and 157 acres transferred to reserved forest.
		Punjaikalakurichi.	81	...	...	81	...	...	No. 169 of 27th April 1892.	
		Modukkur ...	118	...	...	118	...	...	No. 302 of 22nd June 1892.	
		Inanganur ...	212	...	...	212	...	...	No. 169 of 27th April 1892.	Transferred to reserved forest.
		Komarapalaiyam...	112	...	...	112	...	...		
		Vandalmalai and Ranganmalai.	1,708	...	...	1,708	...	...	No. 573 of 6th Dec. 1892.	
		Kakkavadi Pichampatti.	179	...	...	179	...	...		
		Nerur	131	...	...	131	..	...	No. 302 of 22nd June 1892.	
		Maravapalaiyam ...	84	...	...	...	84	...	.....	
		Sivamalai ...	100	...	...	100	...	...	No. 345 of 27th July 1892.	7 acres excluded and 93 acres transferred to reserved forest.
		Nadukandamedu ...	218	...	...	218	...	...	No. 488 of 7th Oct. 1892.	Transferred to reserved forest.
		Uthyur	1,024	...	...	...	1,024	...	.....	
		Pullakalipalaiyam.	66	...	...	66	..	...	No. 486 of 12th Oct. 1892.	
		Settipalaiyam ...	95	...	...	95	...	...	No. 340 of 1st Aug. 1892.	
		Ganapathipalaiyam	80	...	...	80	...	...	No. 350 of 1st Aug. 1892.	Transferred to reserved forest.
	Dhârâpuram...	Ponnapuram, 1st Bit.	272	...	...	272	...	...	No. 577 of 28th Nov. 1892.	
		Ponnapuram, 2nd Bit.	179	...	...	179	...	...		
		Kangayampalaiyam.	177	...	...	177	...	...	No. 363 of 11th Aug. 1892.	
		Selambampalaiyam.	177	...	...	177	...	...	No. 351 of 1st Aug. 1892.	13 acres excluded and 164 acres transferred to reserved forest.
		Ganapathy ...	432	...	...	432	...	...	No. 133 of 6th Mar. 1893.	5 acres excluded and 427 acres transferred to reserved forest.
		Thalavaipatnam ...	434	...	...	...	434	...	.....	
		Sennakalpalaiyam, 1st Bit.	103	...	...	...	103	...	.....	
		Sennakalpalaiyam, 2nd Bit.	101	...	(b) 1	102	...	...	No. 325 of 8th July 1892.	(b) Added by rectification of area. Transferred to reserved forest.

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		SOUTHERN CIRCLE—*cont.*								
North Coimbatore—*cont.*	Dhárápuram—*cont.*	Pulikalkaradu ...	409	...	(*a*) 10	419	...	...	No. 134 of 6th Mar. 1893.	(*a*) Added by rectification. Transferred to reserved forest.
		Undarapatty, 1st Bit.	117	...	...	117	...	...	No. 345 of 27th July 1892.	Transferred to reserved forest.
		Undarapatty, 2nd Bit.	148	..	...	148	...	...		
		Manakadavu ...	323	...	...	323	...	...	No. 432 of 7th Sept. 1892.	
		Puthur	70	...	...	70	...	...	No. 20 of 9th Jan. 1893.	
		Kullakalipalaiyam.	89	...	...	89	...	...	No. 575 of 7th Dec. 1892.	2 acres excluded and 87 acres transferred to reserved forest.
		Akkarapalaiyam, 1st Bit.	64	...	...	64	...	...	No. 399 of 18th Aug. 1892.	Transferred to reserved forest.
		Akkarapalaiyam, 2nd Bit.	87	...	...	87	...	...		
		Thattanmedu ...	80	..	...	80	...	...	No. 349 of 1st Aug. 1892.	
		Manjampatti ...	203	...	...	...	203	...	.....	
		Yethelamalai ...	64	...	(*b*) 1	65	...	...	No. 349 of 1st Aug. 1892.	(*b*) Added by rectification. Transferred to reserved forest.
		Attamalai	646	...	...	646	...	...	No. 15 of 10th Jan. 1893.	Transferred to reserved forest.
		Periamanimalai ...	963	...	...	...	963	...	.....	
		Somnadaiparai ...	250	...	...	36	214	...	No. 349 of 1st Aug. 1892.	Do.
		Mammedu ...	183	...	...	183	...	...	No. 130 of 6th Mar. 1893.	
		Iyempalaiyam ..	116	...	...	116	...	...	No. 349 of 1st Aug. 1892.	
		Punnakkal ...	563	...	...	...	563	...	.....	
		Pulamvalasu ...	187	...	...	...	187	...	.....	
		Kannimarkoil ...	84	...	...	84	...	...	No. 10 of 22nd Dec. 1892.	Do.
		Punjaithalaiyur ..	58	...	...	58	...	...	No. 349 of 1st Aug. 1892.	
		Vellakoil ...	55	...	...	55	...	...	No. 497 of 17th Oct. 1892.	
		Total ..	* 937,957	1465·55	9,612	149,644	797,925	1246·76		
South Coimbatore.	Palladam ...	Alatur	237	...	...	...	237	...	.....	
		Ammapalaiyam ...	119	...	...	...	119	...	.....	
		Arasur	94	...	...	...	94	...	.....	
		Asanellipalayam ...	160	...	...	...	160	...	.....	
		Avanashi	55	...	...	...	55	...	.....	
		Ichipatti	639	...	...	...	639	...	.....	
		Iduvai	94	...	...	...	94	...	.....	
		Ittivirampalaiyam.	581	...	...	...	581	...	.....	
		Kadirampalaiyam.	185	...	...	...	185	...	.....	
		Kaduvettipalaiyam.	80	...	..	...	80	...	.....	
		Kalipalaiyam ...	123	...	...	...	123	...	.....	
		Kandampalaiyam.	92	...	...	...	92	...	.....	
		Kaniyampalaiyam.	156	...	...	...	156	..	.....	
		Kaniyur	813	...	...	...	813	...	.....	
		Karadibavi ...	50	...	...	...	50	...	.....	
		Karaipudur ...	92	...	...	...	92	...	.....	
		Karavalur ...	522	...	...	...	522	...	.....	
		Kurumbapalaiyam.	299	...	...	...	299	...	.....	
		Karumattampatti.	292	...	...	...	292	...	.....	
		Kodanjipalayam ...	121	...	...	...	121	...	.....	
		Kuppandapalayam.	69	...	...	...	69	...	.....	
		Kuttagam ...	582	...	...	...	582	...	.....	

* The difference of an acre between the closing balance of 1891–92 and the opening balance for 1892–93 is due to an error in calculation.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
	Southern Circle—*cont.*									
South Coimbatore—*cont.*	Palladam—*cont.*	Mangarasuvalaiyampalayam.	271	...	...	...	271	...	.....	
		Moparipalayam ...	163	...	...	...	163	...	.....	
		Naranapuram ...	556	...	...	...	556	...	.....	
		Narayampalli ...	51	...	...	...	51	..	.....	
		Nilambur	113	...	...	...	113	...	.....	
		Papakulam ...	103	...	...	...	103	...	.....	
		Paruvai	76	..	...	...	76	...	.....	
		Pattampalaiyam ...	79	...	...	...	79	...	.....	
		Perumanallur ...	159	...	...	...	159	...	.....	
		Perunkarunaipalayam.	53	...	...	...	53	...	.....	
		Pudupalaiyam ...	793	...	...	...	793	...	.....	
		Pulippar	72	...	...	...	72	...	.....	
		Puluvapatti ...	111	...	...	...	111	...	.....	
		Pumalur	291	...	...	...	291	...	.....	
		Rakkiyapalayam ...	278	...	...	...	278	...	.....	
		Samalapuram ...	52	...	...	...	52	...	.....	
		Settipalaiyam ...	159	...	...	...	159	...	.....	
		Senneripalayam ...	75	...	...	...	75	...	.....	
		Sokkanur	132	...	...	...	132	...	.....	
		Sokkampalayam ...	479	...	..	...	479	...	.....	
		Tandakarampalayam.	83	...	...	...	83	...	.....	
		Tattanur	289	...	...	...	289	...	.....	
		Tekkalur	389	...	...	...	389	...	.....	
		Taranallur ...	82	...	...	..	82	...	.....	
		Tulukamuttur ...	60	...	...	...	60	...	.....	
		Uppilipalayam ...	99	...	...	...	99	..	.....	
		Vadugapalayam ...	57	...	...	...	57	...	.....	
		Do. ...	293	...	...	...	293	...	.....	
		Vallipuram ...	52	...	...	...	52	...	.....	
		Velampalayam ...	81	...	...	...	81	...	.....	
		Do. ...	75	...	...	...	75	...	.....	
		Virapandi	175	...	...	...	175	...	.....	
	Udamalpet ...	Jambumalai ...	...	...	2,760	...	2,760	...	No. 114 of 20th Feb. 1893.	
		Andigoundanur ...	...	...	542	...	542	...		
		Elayamuthur ...	...	...	799	...	799	...		
		Dhalli	...	...	761	...	761	...		
		Total ...	11,256	17·59	4,862	...	16,118	25·18		
Nilgiris.	Sigur	Sigur	41,127	..	...	...	41,127	...	.....	
		Nanjanad ...	888	...	...	...	888	...	.....	
		Red Hills ...	48	...	...	48	...	...	No. 30 of 15th Jan. 1892.	
		Keradamund ...	276	..	...	276	...	...	No. 66 of 13th Feb. 1892.	
		Bigulihalla ...	46	...	...	46	...	...	No. 28 of 15th Jan. 1892.	
	Ootacamund...	Yadakad	117	...	...	117	...	...	No. 29 of 15th Jan. 1892.	
		Nanjanad addition, No. I.	9	...	...	...	9	...	.....	
		Nanjanad addition, No. II.	8	...	...	...	8	...	.....	
		Nanjanad addition, No. III.	10	...	...	...	10	...	.....	
	Coonoor ...	Honnathalai (South).	214	...	...	214	...	...	No. 152 of 12th April 1892.	
		Rallia	382	...	...	382	...	...	No. 81 of 23rd Feb. 1892.	
		Teppakuchi ...	115	...	...	115	...	...	No. 130 of 21st Mar. 1892.	
		Naduhatti ...	476	...	...	476	...	...	No. 79 of 23rd Feb. 1893.	
		Yercaudhalla ...	18	...	...	18	...	...	Nos. 113 & 114 of 15th Mar. 1893.	
		Konakarai Slopes.	1,864	...	...	1,864	...	...	No. 152 of 12th April 1892.	

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
	Southern Circle—*cont.*									
Nilgiris—*cont.*	Coonoor—*cont.*	Vagapanai	2,648	...	...	2,648	...	...	No. 152 of 12th April 1892.	
		Dennd	2,073	...	...	2,073	...	...		
		Madanad	723	...	...	723	...	...		
		Kodanad Valley	294	...	...	294	...	...		
		Nedugula	89	...	...	89	...	...		
		Jakanare Slopes	6,419	...	...	6,419	...	...		
		Pillur Slopes	2,332	...	...	...	2,332	...	.....	
		Pakasuramalai	625	...	...	625	...	...	No. 348 of 1st Aug. 1892.	
		Pillur Shola	39	...	...	39	...	...		
		Kulear	226	...	...	226	..	...	No. 7 of 19th Dec. 1892.	
		Sutton Shola addition.	38	...	...	38	...	...	No. 355 of 29th July 1892.	
		Kolakombe	830	...	...	77	753	...	.....	Rectification of area.
		Taimalai Shola	50	...	...	50	...	...	No. 203 of 10th May 1892.	
		Tudur Shola	24	...	...	24	...	...	No. 198 of 10th May 1892.	
		Melur Slopes	4,429	...	124	...	4,553	...	.....	Rectification of area.
		Osatti	152	...	...	152	...	...	No. 337 of 23rd July 1892.	
		Koderu	21	...	...	...	21	...	... ..	
		Kilur	9	...	...	9	...	...	No. 586 of 12th Dec. 1892.	Struck off the list.
		Raliah Reserve addition.	3	...	...	3	...	...	No. 565 of 28th Nov. 1892.	
		Commandu Reserve addition.	32	...	...	32	...	...	No. 354 of 3rd Aug. 1892.	
		Teppakuchi Reserve addition.	4	...	...	4	...	...	No. 428 of 7th Sept. 1892.	
		Pillur Slopes Reserve addition.	896	...	...	...	896	...	.....	
	Mudumalai ...	Mudumalai	46,639	...	...	...	46,639	...	.....	
		Kumbarkolli	...	...	1,771	...	1,771	...	.....	Reserved land under section 26.
		Bonne addition	...	...	123	...	123	...	No. 408 of 22nd Aug. 1892.	
	Sigur	Sigur additions	...	...	231	...	231	...	No. 187 of 4th May 1892.	
	Ootacamund...	Porthimund	...	...	6,983	...	6,983	...	No. 29 of 21st Jan. 1893.	
		Kundah addition, No. I.	...	...	5	...	5	...	No. 167 of 27th April 1893.	
		Kundah addition, No. II.	...	...	20	...	20	...		
		Kundah addition, No. III.								
		Kundah addition, No. IV.	...	...	2,075	...	2,075	...		
		Hira Shige addition, No. I.	...	...	668	...	668	...	No. 183 of 4th May 1892.	
		Hira Shige addition, No. II.	...	...	193	...	193	...	No. 299 of 8th June 1893.	
		Todaputta lands—Todanad	...	...	2,142	...	2,142	...	.....	Do.
		Kundahs	...	...	125	...	125	...	.....	
		Longwood addition, No. II.	...	...	*31	31	...	...	No. 152 of 12th April 1892.	
	Coonoor ...	Paranginad	...	...	185	...	185	...	.....	Do.
		Merkunad	...	...	497	...	497	...	.....	
		Total ...	114,193	178·43	15,173	17,112	112,254	175·40		

* Omitted to be shown in previous year's returns.

Area of Reserved Lands, 1892-93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	Number and date of notification of addition or transfer.	Remarks.
		SOUTHERN CIRCLE—*cont.*								
North Malabar.	Wynaad—*cont.*	Palepattur ...	746	...	...	...	746	...	.....	
		Vengur	5,470	...	.	...	5,470	...	.....	
		Chedlet	517	..	...	...	517	..	.....	
		Karpur	753	...	...	...	753	..	.....	
		Kalur	213	..	...	...	213	...	.....	
		Kudrakote ...	21,502	...	...	21,446	56	...	No. 559 of 24th Nov. 1892.	1,206 acres excluded by correction of area and 20,240 acres transferred to reserved forest.
		Padri	30,468	...	...	...	30,468	...	.....	
		Cardamom Forest.	13,683	...	...	...	13,683	...	.....	
		Kanot	25,600	...	...	...	25,600	...	.....	
		Chapparam ...	112	...	...	112	...	...	Board's Proceedings, No. 561 of 14th Oct. 1892.	Sec. 4 notification cancelled.
		Panniyatta ...	150	...	...	150	..	...		
		Total ...	99,214	155·02	...	21,708	77,506	121·10		
South Malabar.	Nilambúr ...	Nilambur Block ...	5,201	...	...	...	5,201	...	.....	Leased forests.
		Pokote	761	...	...	...	761	...	.....	
		Panangod	905	...	...	...	905	...	.....	
		Valluvasheri ...	932	...	...	...	932	...	.....	
		Kanakut	669	...	...	...	669	..	.....	
		Erambadam ..	581	...	...	...	581	...	.....	
		Ambolakandi ...	1	..	...	...	1	...	.....	
		Arimbrahutamala.	322	...	...	...	322	...	.....	
		Mangalasheriparamba.	11	...	...	...	11	...	.....	
		Puttalatta and Chittarikkal paramba.	8	...	...	...	8	...	.....	
		The Silent Valley.	17,280	...	...	...	17,280	...	.....	
	Amarampalam.	Muriat	1,765	...	...	...	1,765	...	.....	
		Karian	951	..	...	...	951	...	.....	
		The New Amarampalam Forest.	96,000	...	...	...	96,000	...	.....	
	Pálghat ...	Chathamkulamkarai paramba.	41	...	...	...	41	...	.....	
		Thamburattapottai *alias* Pilacheri Pallam.	137	..	...	13	124	...	.....	Struck off the list.
		Tiruvashamkannu *alias* Panakadam.	1,000	...	...	...	1,000	...	.....	
	Waluvanád ..	Block, No. II ...	24,320	...	...	...	58,240	...	.....	
		Do. III(*a*) ...	12,800							
		Block Nos. III (*b*), I and III (*b*), II.	4,480							
		Block Nos. IV (*a*), IV (*b*) and IV (*c*).	16,640							
	Nelambur ...	Beypore tope ...	...	...	57	...	57	...	.....	Reserved lands under sec. 26.
		Forest lands near Dhoni *alias* Plakatampully Paramba.	...	...	45	...	45	..	.....	
		Pullampully tope.	...	...	20	...	20	...	.....	
	Palghat ...	Echcat lands in Thiruvazhankunam.	...	...	1,230	...	1,230	...	.....	
		Total ...	184,805	288·76	1,352	13	186,144	290·85		
South' Canara.	Coondapoor ...	Harkur Block ...	858	...	...	858	...	...	No. 16 of 10th Jan. 1893.	Transferred to reserved forest.
		Kasanakatte ...	262	...	...	262	...	...	No. 560 of 28th Nov. 1892.	
		Talaburane ...	611	...	...	...	611	...	.....	
		Gundaberpare ...	2,178	...	...	...	2,178	...	.....	

Area of Reserved Lands, 1892–93—*cont.*

District.	Range.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		Number and date of notification of addition or transfer.	Remarks.
			Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
		SOUTHERN CIRCLE—*cont.*								
South Canara—*cont.*	Coondapoor—*cont.*	Jennalane	657	...	...	657	...	...	No. 150 of 20th March 1893.	Transferred to reserved forest.
		Korakoppadahola.	433	...	...	...	433	...	.....	
		Harmannu ...	...	...	625	...	625	...	No. 191 of 7th May 1892.	
	Uppinangadi	Dharmastal Mundaji.	9,600	...	...	4,603	4,997	...	.....	Correction of area.
		Charmadi Kanapadi.	12,800	...	...	...	12,800	...	.....	
	Kásaragód ...	Parappa	2,560	..	...	2,560	...	...	No. 132 of 21st March 1892.	Transferred to reserved forest.
	Coondapoor ...	.....	139,002	...	...	...	139,002	...	.....	
	Udipi ...	.....	73,443	...	*400	...	73,843	..	.....	
	Mangalore ...	... ..	27,693	...	2,725 *123	...	30,541	...	.....	Correction of area.
	Uppinangadi ...	.....	288,000	...	...	...	288,000	...	.....	
	Kásaragód ...	.....	38,040	...	...	...	38,040	...	.....	
		Total ...	596,137	931·47	3,873	8,940	591,070	923·54		
		Total of the Circle.	1,977,701	3,090·15	124,042	218,866	1,882,877	2,941·99		
		Grand Total of the three Circles.	6,018,546	9,403·97	688,007	1,745,971	4,960,582	7,750·90		

* Newly added.

ABSTRACT.

District.	AREA ON 1ST APRIL 1892.		ADDED DURING THE YEAR.	EXCLUDED OR TRANSFERRED TO OTHER HEADS.	AREA ON 30TH JUNE 1893.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
NORTHERN CIRCLE.						
Ganjám	280,007	437·51	9,600	...	289,607	452·51
Vizagapatam	52,505	82·04	132,760	6,449	178,816	279·40
Gódávari	382,880	598·25	...	16,880	366,000	571·87
Kistna	137,966	215·57	121,849	117,699	142,116	222·06
Anantapur	206,749	323·05	34,565	50,014	191,300	298·91
Bellary	197,636	308·81	59,878	70,882	186,632	291·61
Kurnool	445,205	695·63	91,488	421,255	115,438	180·37
Total ..	1,702,048	2,660·86	450,140	683,179	1,469,909	2,296·73
CENTRAL CIRCLE.						
Nellore	209,809	327·83	1,705	52,580	158,934	248·33
Cuddapah	1,030,563	1,610·25	35,977	361,254	705,286	1,102·00
Chingleput	31,163	48·69	10,887	5,395	36,655	57·28
North Arcot	255,436	399·12	57,650	116,121	196,965	307·76
South Arcot	407,503	636·72	4,505	145,387	266,621	416·60
Tanjore	10,094	15·77	1	4,649	5,446	8·51
Trichinopoly	55,665	86·98	3,000	27,350	31,315	48·93
Salem	337,664	527·6	100	131,190	206,574	322·77
Total ...	2,337,897	3,652·96	1,138,25	843,926	1,607,796	2,512·18
SOUTHERN CIRCLE						
Madura	19,983	31·14	89,170	8,056	101,047	157·89
Tinnevelly	14,206	22·19	...	13,393	813	1·27
North Coimbatore	937,957	1,465·55	9,612	149,644	797,925	1,246·76
South Coimbatore	11,256	17·59	4,862	...	16,118	25·18
Nílgiris	114,198	178·43	15,173	17,112	112,254	175·40
North Malabar	99,214	155·02	..	21,708	77,506	121·10
South Malabar	184,805	288·76	1,352	13	186,144	290·85
South Canara	596,137	931·47	3,873	8,940	591,070	923·54
Total ...	1,977,701	3,090·15	124,042	218,866	1,882,877	2,941·99
Grand Total ...	6,018,546	9,403·97	688,007	1,745,971	4,960,582	7,750·90

Annual Form No. 60.

Forest Department, Madras Presidency.

Area of Plantations, 1892–93.

District.	Number of plantations.	On 1st April 1892.		Added during 1892–93.		On 30th June 1893.	
		Area.	Cost.	Area.	Cost.	Total area.	Total cost.
Regular plantations.		acs.	Rs.	acs.	Rs.	acs.	Rs.
Northern Circle—							
Ganjám	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..
Gódávari	4	137	9,911	3	764	140	10,675
Kistna	16	797	26,883	(*a*) — 1	2,244	796	29,127
Anantapur	..	..	.	..	..	..	..
Bellary	..	..	..	..	..	..	..
Kurnool	..	..	..	..	..	..	..
Total ..	20	934	36,794	2	3,008	936	39,802
Central Circle—							
Nellore	11	2,916	2,50,441	..	3,302	2,916	2,53,743
Cuddapah	8	2,100	51,712	..	658	2,100	52,370
Chingleput	6	396·09	34,112	..	1,706	396·09	35,818
North Arcot	5	1,035·	1,10,516	..	9,205	1,035·	1,19,721
South do.	15	1,917·05	1,12,832	3	4,111	1,920·05	1,16,943
Tanjore	7	1,308·	17,204	..	2,834	1,308	20,038
Trichinopoly	22	3,754·01	96,868	..	4,933	3,754·01	1,01,801
Salem	..	..	..	..	..	..	..
Total ..	74	13,426·15	6,73,685	3	26,749	13,429·15	7,00,434
Southern Circle—							
Madura	8	106·48	17,818	77·58	2,121	184·06	19,939
Tinnevelly	..	..	..	..	..	..	..
North Coimbatore	1	97	35,466	..	263	97	35,729
South do.	4	26·5	4,815	2	187	28·5	5,002
Nilgiris	19	1,887·50	1,17,290	13	3,479	1,900·50	1,20,769
North Malabar	1	41·50	4,468	..	336	41·50	4,804
South do.	16	4,069·75	2,58,730	130	11,619	4,199·75	2,70,349
South Canara	4	170·18	24,243	1·7	372	171·88	24,615
Total ..	53	6,398·91	4,62,830	224·28	18,377	6,623·19	4,81,207
Grand Total ..	147	20,759·06	11,73,309	229·28	48,134	20,988·34	12,21,443
Cultural operations.							
Northern Circle—							
Direction	..	..	279	..	..	..	279
Ganjám	4	370	2,041	33	740	403	2,781
Vizagapatam	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..
Kistna	5	..	2,128	..	746	..	2,874
Anantapur	6	52·16	897	..	45	52·16	942
Bellary	3	..	561	4	285	4	846
Kurnool	..	..	82	..	56	..	138
Total ..	18	422·16	5,988	37	1,872	459·16	7,860
Central Circle—							
Direction	..	..	1,141	..	15	..	1,156
Nellore	8	757	3,938	42	590	799	4,528
Cuddapah	15	593	3,135	..	441	593	3,576
Chingleput	..	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..	..
South do.	3	1,326	1,658	..	106	1,326	1,764
Tanjore	20	1,155	2,069	..	60	1,155	2,129
Trichinopoly	10	mls. 100	30,924	..	1,238	mls. 100	32,162
Salem	..	..	..	..	..	..	..
Total ..	56	3,831 + mls. 100	42,865	42	2,450	3,873 + mls. 100	45,315
Southern Circle—							
Madura	2	..	357	..	35	..	392
Tinnevelly	17	2,014·20	4,294	303·92	2,495	2,318·12	6,789
North Coimbatore	..	..	..	..	..	..	..
South do.	..	..	508	..	..	..	508
Nilgiris	5	49	7,539	8	1,005	57	8,544
North Malabar	2	109	2,218	..	..	109	2,218
South do.	..	..	..	..	.	..	..
South Canara	..	..	38	..	..	..	38
Total ..	26	2,172·20	14,954	311·92	3,535	2,484·12	18,489
Grand Total ..	100	6,425·36 + mls. 100	63,807	390·92	7,857	6,816·28 + mls. 100	71,664

(*a*) Due to correction of area.

Annual Form No. 61.

Forest Department, Madras Presidency.

Annual List of Topes and Experimental Gardens.

District.	Number.	Area.	Cost		Remarks.
			During year.	To end of year.	
Northern Circle.		Acs.	Rs.	Rs.	
Ganjám	7	101	..	922	
Vizagapatam	(a) 3	78	331	457	(a) One tope (22 acres) newly constituted.
Gódávari	..	..	..	..	
Kistna	7	53	184	2,438	
Anantapur	95	2,885	1,063	6,619	
Bellary	31	* 243	204	1,401	* Includes 3 acres omitted last year.
Kurnool	(b) 30	182	120	9,585	(b) 3 topes sub-divided and newly named.
Total ..	173	3,542	1,902	21,422	
Central Circle.					
Nellore	111	1,752	..	38,044	
Cuddapah	(c) 71	(c) 1,630	1,273	60,193	(c) Due to correction.
Chingleput	(d) 11	(c) 98·99	365	9,109	(d) One newly added.
North Arcot	(e) 179	(c) 3,069	4,302	40,497	
South do.	(e) 98	(e) 475	96	8,967	(e) Three topes (67 acres added during the year.
Tanjore	16	153	..	..	
Trichinopoly	17	77	18	1,817	
Salem	263	3,061	523	2,00,298	
Total ..	766	10,315·99	6,577	3,58,925	
Southern Circle.					
Madura	22	89	..	18,883	
Tinnevelly	28	106	139	5,177	
North Coimbatore	183	14,032	..	29,067	
South do.	23	(c) 267·45	..	5,361	
Nilgiris	..	..	..	..	
North Malabar	1	20	188	3,394	
South do.	1	20	..	9	
South Canara	..	..	..	..	
Total ..	258	14,534·45	327	61,891	
Grand Total ..	1,197	28,392·44	8,806	4,42,238	

ANNUAL FORM No. 62.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1892–93.

District.	UP TO 31ST MARCH 1892.		DURING DRY SEASON OF 1892–93.				Total cost up to 30th June 1893.
	Area actually protected.	Total cost.	Area attempted to be protected.	Fires.	Area actually protected.	Amount expended.	
Northern Circle.	ACS.	RS.	ACS.	ACS.	ACS.	RS.	RS.
Ganjám	117,563	7,410	129,290	984	128,306	2,319	9,729
Vizagapatam	56,305	1,070	62,065	..	62,065	895	1,965
Gódávari	111,441	2,157	139,013	1,214	137,799	2,121	4,278
Kistna	134,893	7,102	224,139	3,168	220,971	2,088	9,190
Anantapur	148,271	12,611	146,217	1,007	145,210	3,522	16,133
Bellary	63,660	21,750	72,853	606	72,247	4,319	26,069
Kurnool	50,200	7,878	66,140	6,658	59,482	3,927	11,805
Total ..	682,333	59,978	839,717	13,637	826,080	19,191	79,169
Central Circle.							
Nellore	117,535	4,488	117,060	8,804	108,256	1,236	5,724
Cuddapah	459,737	43,683	528,020	100,634	427,386	9,188	52,871
Chingleput	23,861	4,312	23,878	97	23,776	751	5,063
North Arcot	558,946	23,568	629,097	9,945	619,152	7,220	30,788
South do.	130,196	8,212	130,243	2,317	127,926	1,728	9,940
Tanjore	..	..	..	..	..	..	..
Trichinopoly	79,693	2,848	79,660	..	79,660	184	3,032
Salem	31,629	20,060	32,782	624	32,158	1,929	21,989
Total ..	1,401,597	1,07,171	1,540,735	122,421	1,418,314	22,236	1,29,407
Southern Circle.							
Madura	205,233	37,750	218,737	4,800	213,937	7,822	45,572
Tinnevelly	104,063	24,353	106,239	5,529	100,710	5,247	29,600
North Coimbatore ..	2,364	1,937	129,084	1,280	127,804	2,049	3,986
South do. ..	50,710	13,062	57,970	3,580	54,390	2,894	15,956
Nilgiris	190,005	21,301	223,087	3,430	219,657	1,698	22,894
North Malabar	15,408	7,938	33,462	1,275	32,187	1,835	9,773
South do.	103,344	16,796	103,474	..	103,474	2,711	19,507
South Canara	16,156	6,243	11,778	43	11,735	1,442	7,685
Total ..	687,313	1,29,380	883,831	19,937	863,894	25,593	1,54,973
Grand Total ..	2,771,243	2,96,529	3,264,283	155,995	3,108,288	67,020	3,63,549

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

PROSECUTIONS for Breaches of Forest Rules during 1892–93.

Districts.	Cases pending from 1891–92.	NEW CASES OF THE YEAR.					Total cases.	DISPOSED OF DURING THE YEAR.										Cases pending at close of the year.
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Compounded.		Withdrawn.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.																		
Ganjám	135	2	172	21	36	231	366	(b)113	319	(c) 79	295	..	..	..	..	192	614	174
Vizagapatam	90	..	720	30	14	764	854	530	744	47	71	244	362	7	7	828	1,184	26
Gódávari	6	..	55	3	568	626	632	225	262	30	75	13	13	..	..	268	350	364
Kistna	171	8	496	171	34	709	880	251	930	55	329	225	708	31	103	562	2,070	318
Anantapur	38	4	218	33	9	264	302	166	584	37	144	71	180	..	..	274	908	28
Bellary	5	..	166	155	39	360	365	260	627	59	210	31	(e) ..	..	..	350	837	15
Kurnool	23	3	271	71	29	374	397	215	627	138	538	35	166	..	..	388	1,831	9
Total ..	468	17	2,098	484	729	3,328	3,796	1,760	4,093	445	1,662	619	1,429	38	110	2,862	7,294	934
Central Circle.																		
Nellore	22	..	139	3	6	148	170	65	257	18	93	57	174	5	8	145	532	25
Cuddapah	178	9	444	222	38	713	891	303	638	60	205	248	354	..	..	611	1,197	280
Chingleput	25	2	36	256	4	298	323	70	94	23	49	200	484	28	26	321	653	2
North Arcot	73	10	248	473	153	884	957	230	322	134	544	518	809	54	(e) ..	936	1,675	21
South Arcot	491	1	725	267	97	1,090	1,581	423	1,134	95	430	543	1,817	333	1,031	1,394	4,412	187
Tanjore	3	..	36	18	2	56	59	9	28	4	7	30	87	9	53	52	175	7
Trichinopoly	63	..	401	497	48	946	1,009	100	234	(d) 65	134	741	1,337	..	..	906	1,705	103
Salem	(a) 32	39	532	297	165	1,033	1,065	502	1,521	130	867	302	1,003	88	407	1,022	3,798	43
Total ..	887	61	2,561	2,033	513	5,168	6,055	1,702	4,228	529	2,329	2,639	6,065	517	1,525	5,387	14,147	668
Southern Circle.																		
Madura	..	2	78	..	25	105	105	40	89	49	188	1	(e) ..	4	(e) ..	94	277	11
Tinnevelly. { Under Forest Act ..	(a) 18	2	159	243	1	405	423	289	470	72	149	37	91	15	32	413	742	10
Tinnevelly. { Under Penal Code ..	(a) 2	..	9	..	8	17	19	9	32	10	41	..	..	..	..	19	73	..
North Coimbatore	49	2	35	186	106	329	378	55	192	33	119	172	538	9	22	269	871	109
South Coimbatore	46	6	167	214	51	438	484	155	510	24	107	238	848	34	82	451	1,647	33
Nílgiris	36	5	73	105	23	206	242	37	75	14	61	145	356	19	79	215	571	27
North Malabar	..	1	35	7	21	64	64	13	21	3	7	37	72	..	..	53	100	11
South Malabar. { Under Forest Act ..	1	..	10	..	..	10	11	9	17	1	1	1	2	..	..	11	20	..
South Malabar. { Under Penal Code ..	..	..	3	..	1	4	4	2	4	2	3	..	..	..	..	4	7	..
South Canara	49	5	655	..	171	831	880	410	543	65	155	194	298	31	49	700	1,045	180
Total ..	201	23	1,224	755	407	2,409	2,610	1,019	1,953	273	831	825	2,205	112	264	2,229	5,253	381
Grand Total ..	1,556	101	5,883	3,272	1,649	10,905	12,461	4,481	10,274	1,247	4,822	4,083	9,699	667	1,899	10,478	26,694	1,983

(a) Correct figures as now reported by the Collector. (b) Includes 23 cases compounded. (c) Includes 20 cases withdrawn. (d) Includes 9 cases withdrawn.
(e) The number of persons involved has not been stated.

Annual Form No. 64.

Forest Department, Madras Presidency, Northern Circle.

Summary of Revenue of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction	Ganjám	Vizagapatam	Gódávari	Kistna	Kurnool	Bellary.	Anantapur	Total.
Receipts	Rs	Rs	Rs.	Rs.	Rs	Rs	Rs	Rs	Rs.
I. Timber and other produce removed from the forests by Government Agency —									
(*a*) Timber .	..	4,286	24	14,898	431	2,873	3	44	22,559
(*b*) Firewood and charcoal ..	..	21	4	534	5,799	457	979	..	7,794
(*c*) Bamboos	..	5		..	..	323	..	..	328
(*d*) Sandal-wood	..	..	.	..	..	..	..	..	
(*e*) Grass and other minor produce	178	1	..	276	9	934	100	130	1,628
II. Timber and other produce removed from the forests by consumers or purchasers—									
(*a*) Timber	..	17,999	2,519	29,471	21,875	37,204	7,980	6,458	1,23,506
(*b*) Firewood and charcoal ..	..	7,753	6,988	10,662	13,849	9,036	4,645	2,711	55,644
(*c*) Bamboos . .		8,186	5,895	35,560	503	16,605	1,656	204	68,609
(*d*) Grazing and fodder grass		2,642	75	4,356	45,425	10,846	3,943	1,559	68,846
(*e*) Other minor produce	..	3,739	3,382	9,029	19,293	9,519	26,004	15,319	86,285
III. Confiscated drift and waif-wood		669	170	4,354	273	939	134	385	6,924
IV. Revenue from forests not managed by Government	.	..		..	..	..	..	..	..
V Miscellaneous—									
(*a*) Fines and forfeitures ..	..	64	5	.	11	.	..	.	80
(*b*) Refunds	323	81	90	339	475	164	35	17	1,524
(*c*) Other sources	48	267	660	3,022	2,840	1,134	957	1,414	10,342
Total Receipts ..	549	45,713	19,812	1,12,501	1,10,783	90,034	46,436	28,241	4,54,069

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 64.

Forest Department, Madras Presidency, Central Circle.

Summary of Revenue of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Nellore.	Cuddapah	Chingleput.	North Arcot	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
Receipts	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber	..	2	16,799	57	8,625	174	1,311	..	..	26,968
(b) Firewood and charcoal ..	..	39,723	282	134	23,984	3,992	3,318	14,493	94	86,020
(c) Bamboos ..	..	112	123	..	2,430	349	180	..	..	3,194
(d) Sandal-wood ..	..	..	..	..	4,980	..	1		..	4,981
(e) Grass and other minor produce ..	..	5,547	2,529	9	45	3	14	16	..	8,163
II. Timber and other produce removed from the forests by consumers or purchasers—										
(a) Timber ..	..	12,164	18,175	4,321	10,335	8,042	26,753	15,550	1,265	96,605
(b) Firewood and charcoal ..	..	2,562	19,857	10,393	33,772	28,952	31,934	14,569	8,574	1,50,613
(c) Bamboos ..	..	111	7,267	259	29,341	3,407	31,600	5,445	394	77,824
(d) Grazing and fodder grass..	..	15,055	10,954	5,403	11,669	8,623	18,300	5,303	687	75,994
(e) Other minor produce ..	..	14,904	79,546	24,878	53,986	42,744	49,735	26,907	6,158	2,98,858
III. Confiscated drift and waif-wood	..	52	854	132	439	500	1,538	432	6	3,953
IV. Revenue from forests not managed by Government	..	..	.	..	..	..	..	..	..	..
V. Miscellaneous—										
(a) Fines and forfeitures	..	..	38	78	36	303	368		..	823
(b) Refunds ..	315	1,401	279	28	1,693	47	170	1,348	65	5,346
(c) Other sources ..	30	569	3,780	896	6,798	4,099	2,893	3,378	1,805	24,257
Total Receipts ..	345	92,202	1,60,492	46,588	1,88,133	1,01,235	1,68,115	87,441	19,048	8,63,599

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Annual Form No 64.

Forest Department, Madras Presidency, Southern Circle.

Summary of Revenue of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
Receipts.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	.	13,376	15	40,430	5,515	6,069	19,498	39,197	10,034	1,34,134
(*b*) Firewood and charcoal ..	..	22,952	..	1,496	2,474	7,061	..	38	5,888	39,909
(*c*) Bamboos ..	..	..	..	..	49	7	..	617	6	679
(*d*) Sandal-wood ..	..	10,400	24,714	..	..	..	..	..	..	35,114
(*e*) Grass and other minor produce.	..	710	..	7,796	..	429	84	872	29,446	39,337
II. Timber and other produce removed from the forests by consumers or purchasers—										
(*a*) Timber ..	..	3,927	6,534	5,294	12,031	6,731	4,644	3,987	2,444	45,592
(*b*) Firewood and charcoal ..	..	1,412	12,682	14,333	8,185	45,348	16	4,922	6,109	93,007
(*c*) Bamboos ..	..	2,496	10,298	6,457	1,262	1,705	591	1,631	1,336	25,776
(*d*) Grazing and fodder grass..	..	4,936	41,250	14,625	1,014	4,280	455	128	..	66,688
(*e*) Other minor produce ..	..	3,232	44,087	9,026	40,974	20,549	2,498	353	16,731	1,37,450
III. Confiscated drift and waif-wood	..	18	120	241	259	211	1	15	664	1,529
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—										
(*a*) Fines and forfeitures	..	..	..	67	..	697	..	79	50	893
(*b*) Refunds ..	215	13	3	529	137	924	15	17	146	1,999
(*c*) Other sources ..	29	1,868	4,994	4,582	1,935	2,451	2,715	3,585	3,884	26,043
Total Receipts ..	244	65,340	1,44,697	1,04,876	73,835	96,462	30,517	55,441	76,738	6,48,150

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 64.

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
A.—Conservancy and Works.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	2,731	7	2,196	128	1,656	1	..	6,719
(*b*) Firewood and charcoal	..	..	..	529	2,690	925	729	..	4,873
(*c*) Bamboos	..	..	..	..	..	64	..	..	64
(*d*) Sandal-wood ..	..	..	..	..	..	..	..	..	..
(*e*) Grass and other minor produce ..	..	..	113	789	2	427	116	118	1,565
II. Timber and other produce removed from the forests by consumers or purchasers	194	4,239	2,515	8,440	4,645	9,897	1,024	1,808	32,762
III. Confiscated, drift and waif-wood	..	1,111	24	1,326	31	29	9	..	2,530
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests, and payments to share-holders in forests managed by Government	..	..	..	..	..	..	12,500	..	12,500
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle	870	1,414	41	791	..	..	..	..	3,116
(*c*) Stores, tools and plant	2	144	479	396	274	91	128	..	1,515
VII. Communications and buildings—									
(*a*) Roads and bridges..	..	1,816	..	529	1,600	2,968	281	665	7,859
(*b*) Buildings	..	2,830	248	1,640	1,251	4,741	225	816	11,754
(*c*) Other works ..	..	88	..	131	274	71	..	..	559
VIII. Demarcations, improvement and extension of forests—									
(*a*) Demarcation ..	..	1,762	1,068	1,248	2,239	611	1,533	1,769	10,230
(*b*) Compensation for land and rights ..	..	..	25	107	31	..	327	306	796
(*c*) Surveys and working plans	31	908	357	1,394	1,517	1,358	840	1,716	8,115
(*d*) Plantations ..	..	740	331	764	3,174	176	489	1,108	6,782
(*e*) Protection from fire.	..	2,319	895	2,121	2,088	3,927	4,319	3,522	19,191
(*f*) Other works ..	..	607	7	..	2,514	64	1,728	158	5,078
IX. Miscellaneous—									
(*a*) Refunds	..	20	9	671	871	114	529	78	2,292
(*b*) Law charges ..	2	79	..	1	53	..	49	..	184
(*c*) Other charges ..	30	43	2	95	1,264	60	18	..	1,512
Total A.—Conservancy and works..	1,129	20,846	6,121	23,168	24,646	27,179	24,848	12,059	1,39,996

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Annual Form No. 64.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
A.—Conservancy and Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	27	1,715	10	2,668	48	1,393	97	..	5,958
(*b*) Firewood and charcoal ..	..	29,143	682	31	13,762	2,442	2,192	7,852	..	56,104
(*c*) Bamboos ..	..	114	60	..	1,131	..	92	..	..	1,397
(*d*) Sandal-wood ..	..	..	..	..	407	11	489	..	..	907
(*e*) Grass and other minor produce ..	..	2,866	1,489	..	285	8	71	2	..	4,721
II. Timber and other produce removed from the forests by consumers or purchasers ..	194	938	6,678	1,663	2,481	3,117	13,467	2,413	561	31,512
III. Confiscated, drift and waif-wood	..	19	63	25	10	35	168	8	6	334
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	10	..	..	10
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle	..	..	38	..	..	..	..	..	..	38
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	74	2,329	525	100	22	418	357	9	..	3,834
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	..	1,701	175	939	750	1,915	382	..	5,882
(*b*) Buildings ..	..	84	2,598	158	4,985	1,982	4,573	187	37	14,604
(*c*) Other works ..	..	..	69	..	1,216	69	2	..	..	1,356
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	3,429	5,077	3,025	15,447	3,741	3,532	3,678	295	38,224
(*b*) Compensation for land and rights ..	..	7,200	365	45	7,310	62	2,125	..	..	17,107
(*c*) Surveys and working plans ..	1,578	1,023	1,280	444	1,130	1,263	1,178	320	440	8,656
(*d*) Plantations ..	15	3,892	2,372	2,071	13,507	4,313	523	6,189	2,894	35,776
(*e*) Protection from fire	..	1,236	9,188	751	7,220	1,728	1,929	184	..	22,236
(*f*) Other works ..	..	788	740	2,786	11,345	5,939	8,396	5,325	2,413	37,732
IX. Miscellaneous—										
(*a*) Refunds	..	1,212	305	400	415	364	242	311	492	3,741
(*b*) Law charges ..	..	..	43	1	7	15	261	..	..	327
(*c*) Other charges ..	42	70	62	4	107	266	230	..	..	781
Total A.—Conservancy and works ..	1,903	54,370	35,050	11,689	84,394	26,571	43,145	26,957	7,138	2,91,217

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM, No. 64.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different districts for the 15 months ending 30th June 1893.

Budget heads.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
A.—Conservancy and Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	2,300	5	17,377	3,792	7,830	1,328	9,698	7,795	50,125
(*b*) Firewood and charcoal ..	..	14,217	..	482	3,835	2,230	..	..	3,159	23,923
(*c*) Bamboos ..	..	..	..	..	7	16	..	8	..	31
(*d*) Sandalwood ..	..	964	1,826	..	..	..	..	..	..	2,790
(*e*) Grass and other minor produce	..	261	1	5,101	..	108	9	345	16,977	22,802
II. Timber and other produce removed from the forests by consumers or purchasers ..	194	1,594	9,044	4,575	2,065	4,984	102	95	4,263	26,916
III. Confiscated drift and waif-wood	..	11	45	12	23	18	..	1	11	121
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests, and payments to shareholders in forests managed by Government	..	9,000	..	3,750	..	..	..	1,885	..	14,635
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	333	..	..	443	629	..	1,405
(*b*) Feed and keep of cattle ..	..	1,248	..	4,918	230	..	3,340	7,700	..	17,436
(*c*) Stores, tools and plant ..	30	574	189	405	669	531	602	367	300	3,667
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	1,136	5,480	1,296	2,891	11,305	1,004	453	..	23,565
(*b*) Buildings ..	..	2,186	3,575	4,829	10,230	9,786	1,624	568	239	33,037
(*c*) Other works ..	..	144	..	504	551	421	38	52	..	1,710
VIII. Demarcations, improvement and extension of forests—										
(*a*) Demarcation ..	..	2,302	3,664	3,469	10,744	2,817	1,084	52	1,218	25,350
(*b*) Compensation for land and rights ..	..	2,280	..	..	20	38	3,140	2	..	5,480
(*c*) Surveys and working plans	57,891	1,047	624	817	431	2,656	102	172	2,497	66,237
(*d*) Plantations ..	..	4,484	263	187	2,156	2,634	524	11,619	372	22,239
(*e*) Protection from fire	..	1,593	2,049	2,894	7,822	5,247	1,835	2,711	1,442	25,593
(*f*) Other works ..	..	408	320	1,144	3,826	6,007	299	1,068	1,029	14,101
IX. Miscellaneous—										
(*a*) Refunds ..	..	55	1,092	53	265	982	271	..	165	2,883
(*b*) Law charges ..	..	..	2	8	..	9,661	..	21	1	9,693
(*c*) Other charges ..	27	296	204	809	234	83	210	39	675	2,577
Total A.—Conservancy and works ..	58,142	46,100	28,383	52,963	49,791	67,354	15,955	37,485	40,143	3,96,316

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Annual Form No. 64.

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different districts for 15 months ending 30th June 1893.

Budget heads	Direction	Ganjám.	Vizagapatam.	Gódávari	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
B.—"*Establishments.*"	Rs	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A. "Conservancy and works" ..	1,129	20,846	6,121	23,168	24,646	27,179	24,848	12,059	1,39,996
I.—Salaries—									
(*a*) Conservators	18,768	..	..	..	..	..	..	..	18,768
(*b*) Superior officers ..	16,857	11,305	5,831	7,409	9,066	11,733	3,810	5,240	71,251
(*c*) Subordinate forest and depôt establishments..	1,373	4,603	2,870	8,788	8,822	9,946	6,260	6,745	49,407
(*d*) Office establishments ..	16,197	2,052	1,181	2,475	2,812	2,889	1,650	1,831	31,087
(*e*) Deputation and special allowances	532	..	..	..	..	..	.	..	532
II.—Travelling allowances—									
(*a*) Conservators .. .	4,586	..	..	.	..	..	..	..	4,586
(*b*) Superior officers ..	3,570	1,554	1,275	1,428	2,060	2,236	1,180	1,201	14,504
(*c*) Subordinate forest and depôt establishments..	748	1,655	608	2,826	2,488	4,156	1,345	1,868	15,694
(*d*) Office establishments ..	2,103	370	303	502	1,111	670	269	402	5,730
III.—Contingencies—									
(*a*) Stationery	..	..	..	..	..	..	..	..	..
(*b*) Carriage of tents and records	728	92	171	101	567	357	191	190	2,397
(*c*) Rents, rates and taxes..	600	249	141	285	1	3	40	2	1,321
(*d*) Pay of police guards ..	..	..	..	..	..	.	..	..	..
(*e*) Official postage .. .	798	354	246	535	1,059	687	545	410	4,034
(*f*) Sundries ..	1,320	482	465	717	991	704	716	935	6,329
Total B.—"Establishments" ..	68,180	22,716	13,091	25,066	28,977	38,381	16,005	18,824	2,26,240
Grand Total of Expenditure .	69,309	43,562	19,212	48,234	53,623	60,560	40,853	30,883	3,66,236

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 64.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
B.—"*Establishments.*"	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A. "Conservancy and Works"	1,903	54,370	35,050	11,689	84,394	26,571	43,145	26,957	7,138	2,91,217
I.—Salaries—										
(*a*) Conservators ..	24,000	..	..	..	..	..	..	..	..	24,000
(*b*) Superior officers ..	16,990	10,186	14,671	6,142	6,653	7,886	16,450	13,670	..	92,648
(*c*) Subordinate forest and depôt establishments ..	3,805	8,406	13,570	3,723	12,607	11,461	14,438	4,561	1,260	73,831
(*d*) Office establishment	17,641	2,940	3,595	1,561	3,926	3,630	3,557	2,251	1,277	40,378
(*e*) Deputation and special allowances	532	..	..	..	..	136	..	..	..	668
II.—Travelling allowances—										
(*a*) Conservators ..	3,679	..	..	..	..	..	..	..	..	3,679
(*b*) Superior officers ..	4,794	1,450	2,721	1,553	1,935	1,361	3,065	1,879	457	19,215
(*c*) Subordinate forest and depôt establishments ..	1,939	1,996	3,476	1,054	3,957	2,897	4,641	1,762	414	22,136
(*d*) Office establishments	2,586	407	656	176	748	649	508	611	274	6,615
III.—Contingencies—										
(*a*) Stationery	..	2	..	..	..	..	..	..	..	2
(*b*) Carriage of tents and records ..	924	269	165	119	224	225	464	197	116	2,703
(*c*) Rents, rates and taxes	4	..	55	8	5	768	28	71	1	940
(*d*) Pay of police guards .. .	..	..	..	..	..	..	..	..	..	..
(*e*) Official postage ..	828	259	594	377	1,227	1,148	1,536	598	245	6,812
(*f*) Sundries	3,306	1,201	1,633	621	1,128	1,187	1,118	220	84	10,498
Total B.—"Establishments"	81,028	27,116	41,136	15,334	32,410	31,348	45,805	25,820	4,128	3,04,125
Grand Total of Expenditure	82,931	81,486	76,186	27,023	1,16,804	57,919	88,950	52,777	11,266	5,95,342

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 64.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different districts for 15 months ending 30th June 1893.

Budget heads.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar	South Malabar.	South Canara.	Total.
B.—"*Establishments.*"	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A "Conservancy and Works" ..	58,142	46,100	28,383	52,863	49,791	67,354	15,955	37,485	40,143	3,96,316
I.—Salaries—										
(*a*) Conservators ..	19,064	..	..	..	..	..	..	..	..	19,064
(*b*) Superior officers ..	6,890	13,494	11,289	5,188	13,500	9,431	7,354	12,000	6,270	85,416
(*c*) Subordinate forest and depot establishments ..	4,768	9,818	7,074	9,948	11,892	10,138	7,328	5,880	6,614	73,460
(*d*) Office establishments .. .	13,960	2,774	3,235	3,484	2,847	3,536	3,250	2,038	2,681	37,805
(*e*) Deputation and special allowances	532	..	..	..	..	..	..	..	..	532
II.—Travelling allowances—										
(*a*) Conservators ..	3,986	..	..	..	..	..	..	..	..	3,986
(*b*) Superior officers ..	1,380	1,589	2,569	1,423	3,041	3,104	917	1,019	1,425	16,417
(*c*) Subordinate forest and depot establishments ..	2,127	1,959	2,291	2,759	4,170	3,314	1,503	1,464	2,103	21,690
(*d*) Office establishments	1,140	54	539	470	917	824	118	151	351	4,564
III.—Contingencies—										
(*a*) Stationery ..	.	..	..	.	..	..	.	..	..	..
(*b*) Carriage of tents and records ..	483	2	383	201	373	281	35	16	351	2,125
(*c*) Rents, rates and taxes	720	106	163	102	16	76	..	12	54	1,249
(*d*) Pay of police guards . ..	..	..	..	.	..	..	..	..	..	..
(*e*) Official postage ..	820	267	562	449	842	972	177	193	1,076	5,358
(*f*) Sundries . ..	3,282	787	971	860	945	963	509	396	655	9,368
Total B.—"Establishments"	59,102	30,850	29,076	24,884	38,543	32,639	21,191	23,169	21,580	2,81,034
Grand Total of Expenditure	1,17,244	76,950	57,459	77,847	88,334	99,993	37,146	60,654	61,723	6,77,350

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Annual Form No. 64.

Forest Department, Madras Presidency.

Grand Total of the Presidency.

Budget heads. Receipts.	Rs.	Budget heads. Expenditure—A. Conservancy and Works.	Rs.	Budget heads. Expenditure—B. Establishments.	Rs.
I. Timber and other produce removed from the forests by Government Agency—		I. Timber and other produce removed from the forests by Government Agency—		Brought forward, Total, A. Conservancy and Works	8,27,529
(a) Timber ..	1,83,661	(a) Timber	62,802		
(b) Firewood and charcoal ..	1,33,723	(b) Firewood and charcoal	84,900	I. Salaries—	
(c) Bamboos ..	4,201	(c) Bamboos	1,492	(a) Conservators ..	61,882
(d) Sandalwood ..	40,095	(d) Sandalwood ..	3,697	(b) Superior officers..	2,49,315
(e) Grass and other minor produce.	49,128	(e) Grass and other minor produce ..	29,088	(c) Subordinate forest and depôt establishments ..	1,96,698
II. Timber and other produce removed from the forests by consumers or purchasers—		II. Timber and other produce removed from the forests by consumers or purchasers	91,190	(d) Office establishments	1,09,270
(a) Timber ..	2,65,703	III. Confiscated drift and waifwood	2,985	(e) Deputation and special allowances	1,732
(b) Firewood and charcoal ..	2,99,264	IV. Revenue from forests not managed by Government	..	II. Travelling allowances—	
(c) Bamboos ..	1,72,209	V. Rent of leased forests and payments to shareholders in forests managed by Government	27,145	(a) Conservators ..	12,251
(d) Grazing and fodder grass ..	2,11,528	VI. Live-stock, stores, tools and plant—		(b) Superior officers..	50,136
(e) Other minor produce ..	5,22,593	(a) Purchase of cattle ..	1,443	(c) Subordinate forest and depôt establishments ..	59,520
III. Confiscated drift and waifwood	12,406	(b) Feed and keep of cattle	20,552	(d) Office establishments	16,909
IV. Revenue from forests not managed by Government	..	(c) Stores, tools and plant	9,016	III. Contingencies—	
V. Miscellaneous—		VII. Communications and buildings—		(a) Stationery ..	2
(a) Fines and forfeitures	1,796	(a) Roads and bridges..	37,286	(b) Carriage of tents and records ..	7,225
(b) Refunds ..	8,869	(b) Buildings	59,395	(c) Rents, rates and taxes	3,510
(c) Other sources ..	60,642	(c) Other works ..	3,625	(d) Pay of Police guards	..
		VIII. Demarcation, improvement and extension of forests—		(e) Official postage ..	16,804
		(a) Demarcation ..	73,804	(f) Sundries	26,195
		(b) Compensation for lands and rights..	23,383		
		(c) Surveys and working plans ..	83,008		
		(d) Plantations ..	64,797		
		(e) Protection from fire.	67,020		
		(f) Other works ..	56,911		
		IX. Miscellaneous—			
		(a) Refunds	8,916		
		(b) Law charges ..	10,204	Total, B. Establishments	8,11,399
		(c) Other charges ..	4,870		
Total, Receipts ..	19,65,818	Total, A. Conservancy and Works	8,27,529	Grand Total of Expenditure	16,38,928

Annual Form No. 65.

Forest Department, Madras Presidency, Northern Circle.

Outstandings and Liabilities on account of contractors and disbursers for 15 months ending 30th June 1893.

Districts.	Department Debtor.			Department Creditor.			Balance due	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
	Rs A. P.	Rs. A. P.	Rs A. P.	Rs A. P.	Rs A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Conservator, Northern Circle	..	4,376 1 0	4,376 1 0	25 8 9	4,510 11 3	4,536 4 0	160 3 0	..
Forest Settlement-officer, Kurnool	..	..	..	..	..	..	..	..
One-third of Examiner's office	..	414 10 8	414 10 8	244 8 11	170 1 9	414 10 8	..	..
Forest School, Dehra Dún	..	450 7 0	450 7 0	420 0 0	30 7 0	450 7 0	..	..
Gánjam	..	28,477 9 7	28,477 9 7	2,184 14 7	29,513 0 9	31,697 15 4	3,220 5 9	..
Vizagapatam	..	8,970 14 5	8,970 14 5	188 5 1	9,319 8 5	9,507 13 6	536 15 1	..
Gódávari	..	45,670 6 10	45,670 6 10	2,153 5 8	45,746 6 7	47,899 12 3	2,229 5 5	..
Kistna	..	37,615 10 5	37,615 10 5	179 8 8	38,571 8 11	38,751 1 7	1,135 7 2	..
Kurnool	..	51,546 2 11	51,546 2 11	927 1 1	52,170 10 2	53,097 11 3	1,551 8 4	..
Bellary	..	22,905 11 1	22,905 11 1	393 13 4	22,740 0 11	23,133 14 3	228 3 2	..
Anantapur	..	18,385 9 1	18,385 9 1	218 4 6	18,318 2 3	18,536 6 9	150 13 8	..
Total ..	..	2,18,813 3 0	2,18,813 3 0	6,935 6 7	2,21,090 10 0	2,28,026 0 7	9,212 13 7	..

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 65.

Forest Department, Madras Presidency, Central Circle.

Outstandings and Liabilities on account of contractors and disbursers for 15 months ending 30th June 1893.

District.	Department Debtor.			Department Creditor.			Balance due	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Conservator, Central Circle	..	1,753 9 7	1,753 9 7	30 0 1	1,792 9 8	1,822 9 9	69 0 2	..
Forest Settlement-officer, Salem, &c.	..	325 12 11	325 12 11	..	325 12 11	325 12 11	..	..
Do. Trichinopoly	..	8 14 0	8 14 0	..	5 14 0	8 14 0	..	..
Do. Nellore, &c.	..	660 15 6	660 15 6	39 6 0	639 7 0	678 13 0	17 13 6	..
One-third of Examiner's office	..	414 10 5	414 10 5	244 8 10	170 1 7	414 10 5	..	..
Forest School, Dehra Dun	..	644 14 0	644 14 0	..	644 14 0	644 14 0	..	..
Nellore	..	60,817 15 10	60,817 15 10	859 6 7	63,228 3 11	64,087 10 6	3,269 10 8	..
Cuddapah	..	51,720 0 8	51,720 0 8	632 2 8	51,874 9 10	52,506 12 6	786 11 10	..
Chingleput	..	18,415 8 0	18,415 8 0	62 4 7	18,723 12 0	18,786 0 7	370 8 7	..
North Arcot	..	1,16,375 5 6	1,16,375 5 6	2,761 8 2	1,15,753 13 6	1,18,515 5 8	2,140 0 2	..
South Arcot	..	50,514 13 8	50,514 13 8	1,782 0 0	50,656 9 3	52,438 9 3	1,923 11 7	..
Salem	..	76,814 2 6	76,814 2 6	1,132 4 0	77,792 0 3	78,924 4 3	2,110 1 9	..
Trichinopoly	..	37,672 0 9	37,672 0 9	105 14 5	38,221 5 0	38,327 3 5	655 2 8	..
Tanjore	..	9,482 2 11	9,482 2 11	181 5 3	9,447 0 2	9,628 5 5	146 2 6	..
Total ..	..	4,25,620 14 3	4,25,620 14 3	7,830 12 7	4,29,279 1 1	4,37,109 13 8	11,488 15 5	..

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

ANNUAL FORM No. 65.

Forest Department, Madras Presidency, Southern Circle.

Outstandings and Liabilities on account of contractors and disbursers for 15 months ending 30th June 1893.

District.	Department Debtor.			Department Creditor.			Balance due	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Conservator, Southern Circle	..	10,503 1 9	10,503 1 9	153 3 11	10,401 7 2	10,554 11 1	51 9 4	..
One-third of Examiner's office	..	414 10 7	414 10 7	244 8 9	170 1 10	414 10 7	..	..
Forest School, Dehra Dun	.	..	..	37 0 0	..	37 0 0	37 0 0	..
Nilgiris	..	40,447 15 8	40,447 15 8	238 4 6	41,586 5 10	41,824 10 4	1,376 10 8	.
Coimbatore, North	..	26,404 13 10	26,404 13 10	182 4 11	27,513 8 3	27,695 13 2	1,290 15 4	..
Coimbatore, South	..	43,983 2 10	43,983 2 10	1,276 11 2	44,409 9 3	45,686 4 5	1,703 1 7	..
Madura	..	1,06,385 0 5	1,06,385 0 5	1,275 4 11	1,09,278 9 8	1,10,553 14 7	4,168 14 2	..
Tinnevelly	..	88,550 5 10	88,550 5 10	3,814 14 0	87,487 14 0	91,302 12 0	2,752 6 2	..
Malabar, North	..	11,978 10 1	11,978 10 1	627 15 3	12,841 14 3	13,469 13 6	1,491 3 5	..
Malabar, South	..	15,896 7 8	15,896 7 8	418 11 11	16,415 0 2	16,833 12 1	937 4 5	..
South Canara	..	51,604 8 2	51,604 8 2	15,562 7 2	37,407 15 6	52,970 6 8	1,365 14 6	..
Total ..	..	3,96,168 12 10	3,96,168 12 10	23,831 6 6	3,87,512 5 11	4,11,343 12 5	15,174 15 7	..

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

GRAND TOTAL for the Presidency.

Department Debtor.			Department Creditor.			Balance due	
At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
..	Rs. A. P. 10,40,602 14 1	Rs. A. P. 10,40,602 14 1	Rs. A. P. 38,597 9 8	Rs. A. P. 10,37,882 1 0	Rs. A. P. 10,76,479 10 8	Rs. A. P. 35,876 12 7	Rs. A. P. ..

ANNUAL FORM No. 66.

Forest Department, Madras Presidency, Northern Circle.

Revenue received and Outstandings on account of revenue for 15 months ending 30th June 1893.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.	Remarks.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Direction	Timber and other produce ..	..	549 6 1	549 6 1	549 6 1	..	
Ganjám	Do. do. ..	387 1 0	46,677 2 7	46,064 5 7	45,713 4 7 (a) + 350 13 0	0 2 0	(a) Written off the accounts as per Board's Proceedings, dated 23rd September 1892, No. 1009.
Vizagapatam	Do. do. ..	..	19,812 7 9	19,812 7 9	19,812 7 9	..	
Gódávari	Do. do. ..	154 12 0	1,12,530 7 9	1,12,685 3 9	1,12,501 1 9 (b) + 155 4 0	28 14 0	(b) Written off the accounts as per Government Order, dated 11th October 1892, No. 4415, communicated in Board's Proceedings, dated 24th October 1892, No. 1150.
Kistna	Do. do. ..	1,280 10 6	1,09,730 7 9	1,11,011 2 3	1,10,782 5 5	228 12 10	
Kurnool	Do. do. ..	139 8 10	89,894 6 8	90,033 15 6	90,033 15 6	..	
Bellary	Do. do. .	3,207 15 0	43,663 10 4	46,871 9 4	46,436 2 10	435 6 6	
Anantapur	Do. do. .	18 0 0	28,240 5 11	28,258 5 11	28,240 5 11 (c) + 18 0 0	..	(c) Written off the accounts as per Board's Proceedings, dated 27th April 1892, No. 440.
	Total .	5,187 15 4	4,50,098 6 10	4,55,286 6 2	4,54,069 1 10 + 524 1 0	693 3 4	

MADRAS,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Annual Form No. 66.

Forest Department, Madras Presidency, Central Circle.

Revenue received and Outstandings on account of revenue for 15 months ending 30th June 1893.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Direction	Timber and other produce..	..	344 12 1	344 12 1	344 12 1	..	
Nellore	Do. do. ..	500 0 0	91,701 5 8	92,201 5 8	92,201 5 8	..	
Cuddapah	Do. do. ..	58 7 0	1,60,720 7 3	1,60,778 14 3	1,60,491 8 9 + (a) 52 11 11	234 9 7	(a) Written off the accounts as per Board's Proceedings, Forest No. 1148, Mis., dated 24th October 1892.
Chingleput	Do. do. ..	..	46,588 2 6	46,588 2 6	46,588 2 6	..	
North Arcot	Do. do. ..	648 2 5	1,89,595 0 6	1,90,243 2 11	1,88,133 7 10	2,109 11 1	
South Arcot	Do. do. ..	70 1 0	1,01,281 1 5	1,01,351 2 5	1,01,234 15 5	116 3 0	
Salem	Do. do. ..	1,738 5 3	1,68,683 3 1	1,70,421 8 4	1,68,115 9 10 + (b) 1,113 13 3	1,192 1 3	(b) Written off the accounts as per Government Order, dated 8th October 1892, No. 4377, communicated in Board's Proceedings, dated 17th October 1892, Forest No 1106, Mis.
Trichinopoly	Do. do. ..	2,250 1 11	88,785 6 8	91,035 8 7	87,440 14 10 + (c) 485 0 0	3,104 9 9	(c) Writtten off the accounts as per Government Order, dated 12th October 1892, No. 4482, communicated in Board's Proceedings, Forest No. 1149, dated 24th October 1892.
					+ (d) 5 0 0	..	(d) Board's Proceedings, Forest No. 688, Mis, dated 9th June 1893.
Tanjore	Do. do. ..	12 8 0	19,035 8 7	19,048 0 7	19,048 0 7	..	
	Total ..	5,277 9 7	8,66,734 15 9	8,72,012 9 4	8,63,598 13 6 + 1,656 9 2	6,757 2 8	

Madras,
29th August 1893.

(Signed) B. MORRIS,
Deputy Accountant-General.

Annual Form No. 66.

Forest Department, Madras Presidency, Southern Circle.

Revenue received and Outstandings on account of revenue for 15 months ending 30th June 1893.

District.	Particulars.	Outstandings at commencement of year	Value of sales and other revenue during year	Total.	Amount realized during year	Balance due to the department at end of year.	Remarks.
		Rs. A. P	Rs A P	Rs. A P.	Rs. A. P.	Rs. A. P.	
Direction	Timber and other produce .	..	244 1 5	244 1 5	244 1 5	..	
Nilgiris	Do. do. ..	44 0 3	66,191 5 10	66,235 6 1	65,340 1 10	895 4 3	
North Coimbatore ..	Do. do ..	868 11 7	1, 44,073 5 3	1,44,942 0 10	1,44,696 14 1	234 2 9	
South Coimbatore ..	Do. do. ..	401 1 4	1,04,851 0 1	1,05,252 1 5	1,04,876 2 1	375 15 4	
Madura	Do. do ..	1,450 3 8	92,952 7 9	94,402 12 5	73,834 14 7	20,567 12 10	
Tinnevelly	Do do. ..	1,822 3 8	95,768 8 0	97,590 11 8	96,461 15 4	1,128 12 4	
North Malabar .. .	Do. do. ..	4,933 0 6	26,924 0 4	31,857 0 10	30,517 0 10	1,340 0 0	
South Malabar	Do. do ..	.	55,440 11 9	55,440 11 9	55,440 11 9	..	
South Canara	Do do. ..	1,260 13 11	78,701 2 0	79,961 15 11	76,738 3 11 + * 105 0 0	3,118 12 0	* Written off the accounts as per Government Order, dated 4th April 1892, communicated in Board's Proceedings, dated 12th April 1892, No. 398.
	Total ..	10,780 2 11	6,65,146 10 5	6,75,926 13 4	6,48,150 1 10 + 105 0 0	27,671 11 6	

Madras,
29th August 1893.

(Signed) R. MORRIS,
Deputy Accountant-General.

Grand Total for the Presidency.

Outstandings at commencement of year.	Value of sales and other revenues during the year.	Total	Amount realized during year.	Balance due to the department at end of the year.	Remarks
Rs. A. P.	Rs. A. P.	Rs A. P.	Rs A. P.	Rs A P.	
21,245 11 10	19,81,980 1 0	20,03,225 12 10	19,68,103 11 4	35,122 1 6	..

Annual Form No. 68.

Forest Department, Madras Presidency.

Trees felled by Government Agency during 1892–93.

Selection fellings.

Districts	Teak.	Rose-wood.	Vengai.	Red-wood.	Sal.	Iron-wood.	Sandal-wood.	Eucalyptus and acacia.	Miscellaneous.	Total.
Northern Circle.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
Stock at beginning of the year	..	..	..	..	..	2	..	.	(a) 41	43
Ganjám	..	..	..	..	662	..	..	..	2	664
Vizagapatam	..	..	..	..	..	..	..	..	..	..
Gódávari	2,501	..	..	..	..	..	..	..	2,649	5,150
Kistna	..	..	..	..	..	..	..	..	5,974	5,974
Anantapur	4	..	..	..	..	..	..	..	106	110
Bellary	..	..	..	..	..	..	..	..	16,043	16,043
Kurnool	6	..	168	..	..	..	..	..	103	277
Total felled during the year.	2,511	..	168	..	662	..	..	..	24,877	28,218
Total ..	2,511	..	168	..	662	2	..	..	24,918	28,261
Converted into logs, &c. ..	2,511	..	168	..	662	..	..	..	24,912	28,253
Balance on hand at end of the year	..	..	..	..	..	2	..	..	6	8
Central Circle.										
Stock at beginning of the year	..	..	..	..	..	..	..	..	874	874
Nellore	..	..	..	..	..	..	..	..	..	..
Cuddapah	..	..	..	..	..	..	..	..	53	53
Chingleput	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	..	4,770	..	..	..	..	2,173	6,943
South do.	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..
Salem	..	..	..	..	..	..	487	..	765	1,252
Total felled during the year.	..	..	..	4,770	..	..	487	..	2,991	8,248
Total ..	..	..	..	4,770	..	..	487	..	3,865	9,122
Converted into logs, &c. ..	..	..	..	4,770	..	..	487	..	2,992	8,249
Balance on hand at end of the year	..	..	..	..	..	..	..	..	873	873
Southern Circle.										
Stock at beginning of the year	43	11	22	..	..	..	..	..	215	291
Madura	..	2	167	..	..	..	..	..	167	336
Tinnevelly	..	..	..	..	..	..	..	..	154	154
North Coimbatore	..	..	..	..	..	..	..		..	.
South do.	292	6	.	..	..	..	..	..	413	711
Nilgiris	331	..	248	..	..	..	..	16,773	88	17,440
North Malabar	501	84	53	..	..	..	..	..	60	698
South do.	170	135	4	..	..	.	..	..	1,403	1,712
South Canara	65	4	26	..	..	..	..	..	370	465
Total felled during the year.	1,359	231	518	..	..	..	..	16,773	2,655	21,536
Total ..	1,402	242	540	..	..	..	..	16,773	2,870	21,827
Converted into logs, &c. ..	1,380	224	530	..	..	..	..	16,773	2,790	21,697
Balance on hand at end of the year	22	18	10	..	.	..	..	..	80	130
Grand Total.										
Total stock at beginning of the year	43	(a) 11	22	..	..	2	..	..	(a) 1,130	1,208
Total felled during the year.	3,870	231	686	4,770	662	..	487	16,773	30,623	58,002
Total ..	3,913	242	708	4,770	662	2	487	16,773	31,653	59,210
Total converted into logs, &c.	3,891	224	698	4,770	662	..	487	16,773	30,694	58,199
Total balance on hand at end of the year	22	18	10	..	..	2	..	..	959	1,011

(a) Two were shown by mistake under rosewood last year and are now included under miscellaneous.

ANNUAL FORM No. 69.

Forest Department, Madras Presidency.

STATEMENT of Timber and other produce cut and collected by Government Agency during the year 1892–93 (from 1st April 1892 to 30th June 1893).

—	TIMBER.								Fuel	Bamboos	Sandalwood.	Minor produce.
	Teak.	Rosewood.	Vengai.	Redwood.	Sâl.	Iron wood.	Miscellaneous.	Total.				
Northern Circle.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	C. FT	MDS.
Stock of the circle at the beginning of the year ..	14,247	..	..	..	21,498	586	1,962	38,293	337,007	14,053	..	62,525
Ganjám	..	..	..	..	4,682	..	128	4,810	..	760	..	1
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	14,674	..	..	..	..	5	6,525	21,204	46,116	..	..	1,966
Kistna	..	..	..	..	..	..	7,757	7,757	40,395	6	..	41
Anantapur	5	..	..	..	..	..	525	530	..	275	..	204
Bellary	..	..	..	..	..	..	677	677	16,984	..	..	1,712
Kurnool	76	..	1,953	..	..	..	1,642	3,671	23,156	4,410	..	3,067
Collection during the year ..	14,755	..	1,953	..	4,682	5	17,254	38,649	126,651	5,451	..	6,991
Total ..	29,002	..	1,953	..	26,180	591	19,216	76,942	463,658	19,504	..	69,516
Sold locally in the forest ..	22,081	..	1,638	..	..	..	13,221	36,940	117,867	4,620	..	41,137
Used departmentally, wastage written off, &c.	77	..	..	..	2,565	..	1,544	4,186	258,395	13,840	..	6,063
Removed to sale depôts ..	6,750	..	..	..	17,754	..	213	24,717	34,041	760	..	632
Total disposal ..	28,908	..	1,638	..	20,319	..	14,978	65,843	410,303	19,220	..	47,832
Stock in the forest on 30th June 1893	94	..	315	..	5,861	591	4,238	11,099	53,355	284	..	21,684
Central Circle.												
Stock of the circle at the beginning of the year ..	..	..	..	..	..	..	(a)7,941	7,941	(b)119,737	..	..	50,153
Nellore	..	..	..	..		..	9	9	271,247	240	..	9,413
Cuddapah	..	..	..	128	..	..	5,382	5,510	34,450	8,334	.	10,193
Chingleput	..	..	..	..	..	..	705	705	34	..	..	3
North Arcot	..	..	..	4,000	..	..	10,574	14,574	341,646	5,204	461	63
South Arcot	..	..	..	..	..	..	743	743	52,025	1,700	..	30
Tanjore	..	..	..	..	..	..	..	..	1,360	..	..	..
Trichinopoly	..	..	..	..	..	..	202	202	214,283	..	..	8
Salem	..	..	..	..	..	..	1,761	1,761	32,996	3,220	531	450
Collection during the year ..	..	..	..	4,128	..	..	19,376	23,504	948,041	18,698	995	20,155
Total ..	..	..	..	4,128	..	..	27,317	31,445	1,067,778	18,698	995	70,308
Sold locally in the forest ..	..	..	..	1,703	..	..	18,204	19,907	602,561	14,728	..	5,611
Used departmentally, wastage or written off, &c	..	..	..	569	..	..	460	1,029	5,811	..	24	35,234
Removed to sale depôts .	..	..	..	1,856	..	..	6,955	8,811	324,130	3,970	975	12,739
Total disposal ..	..	..	..	4,128	..	..	25,619	29,747	932,502	18,698	995	53,584
Stock in the forest on 30th June 1893 . ..	..	..	..	..	..	..	1,698	1,698	135,276	..	..	16,724
Southern Circle.				..								
Stock of the circle at the beginning of the year ..	(c) 36,157	3,639	13,077	..	..	..	(c)56,771	109,644	356,450	8,176	51	4,667
Madura	..	41	3,727	..	..	..	1,698	5,466	43,146	..	..	..
Tinnevelly	..	..	..	..	..	..	13,099	13,099	315,804	700	.	438
North Coimbatore		27	9	..	..	..	243	279	274	405	1,569	..
South Coimbatore . ..	25,305	337	86	..	..	..	29,794	55,522	34,380	..	..	3,672
Nílgiris	11,346	1,048	7,927	..	..	..	579	20,900	411,294	..	990	482
North Malabar	20,055	2,177	1,786	..	..	..	1,621	25,639	.	..	..	..
South Malabar	19,807	4,302	284	..	..	..	53,023	77,416	821	6,593	..	310
South Canara	1,624	676	1,521	..	..	..	18,254	22,075	151,203	2,192	..	6,354
Collection during the year	78,137	8,608	15,340	..	..	..	118,311	220,396	956,922	9,890	2,559	11,256
Total ..	114,294	12,247	28,417	..	..	..	175,082	330,040	1,313,372	18,066	2,610	15,923

(a) Excludes 340 cubic feet classified wrongly under miscellaneous during 1891–92.
(b) Includes do. do. do.
(c) 22 cubic feet classed under teak during 1891–92 has been classed under miscellaneous this year.

Statement of Timber and other produce cut and collected by Government Agency, &c.—*cont.*

	Timber											
	Teak	Rosewood.	Vengai	Bedwood	Sal	Iron wood.	Miscellaneous.	Total.	Fuel.	Bamboos.	Sandalwood	Minor produce.
Southern Circle—cont.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	C. FT.	MDS.
Sold locally in the forest ..	44,363	2,986	22,789	..	..	.	56,744	126,882	698,810	5,739	1,034	14,266
Used departmentally, wastage written off, &c. ..	2,362	45	889	..	..	..	10,374	13,670	79,208	335	8	318
Removed to sale depôts ..	34,977	500	879	..	..	..	38,004	74,360	227,572	6,332	1,555	8
Total disposal ..	81,702	3,531	24,557	..	..	..	105,122	214,912	1,005,590	12,406	2,597	14,582
Stock in the forest on 30th June 1893 . ..	32,592	8,716	3,860	..	..	..	69,960	115,128	307,782	5,660	13	1,341
	Grand Total.											
Stock of the circles at the beginning of the year .	(c) 50,404	3,639	13,077	..	21,498	586	(a) (c) 66,674	155,878	(b)813,194	22,229	51	117,845
Collection during the year..	92,892	8,608	17,293	4,128	4,682	5	154,941	282,549	2,031,614	34,039	3,554	38,402
Total	143,296	12,247	30,370	4,128	26,180	591	221,615	438,427	2,844,808	56,268	3,605	156,747
Sold locally in the forest ..	66,444	2,986	24,427	1,703			88,169	183,729	1,419,238	25,087	1,034	61,014
Used departmentally, wastage written off, &c	2,439	45	889	569	2,565		12,378	18,885	343,414	14,175	28	41,610
Removed to sale depôts ..	41,727	500	879	1,856	17,754		45,172	107,888	585,743	11,062	2,530	13,374
Total disposal ..	110,610	3,531	26,195	4,128	20,319	..	145,719	310,502	2,348,395	50,324	3,592	115,998
Stock in the forest on 30th June 1893	32,686	8,716	4,175		5,861	591	75,896	127,925	496,413	5,944	13	39,749

(a) Excludes 340 cubic feet classified wrongly under miscellaneous during 1891-92.
(b) Includes do. do do.
(c) 22 cubic feet classed under teak during 1891-92 has been classed under miscellaneous this year.

ANNUAL FORM No. 70.

Forest Department, Madras Presidency.

RECEIPTS and Issues of Timber and other produce in sale depôts during the year 1892–93 (from 1st April 1892 to 30th June 1893).

—	TIMBER.								FUEL	BAMBOOS.	SANDALWOOD.	MINOR PRODUCE.
	Teak.	Rosewood	Vengai.	Redwood	Sál.	Ironwood.	Miscellaneous.	Total.				
Northern Circle	C. FT	C. FT.	C. FT.	C. FT.	C. FT	C. FT	C FT.	C. FT.	C. FT	NO.	C. FT.	MDS
Stock of the circle at sale depôts at the beginning of the year	..	..	..	..	1,562	40	1,146	2,748	10,558	8,535	..	..
Ganjám	..	..	..	..	17,754	..	128	17,882	..	760	..	1
Vizagapatam . ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	6,750	..	..	..	..	..	85	6,835	..	..	..	446
Kistna	..	.	..	..	..	..	..	..	31,421	..	..	..
Anantapur ..	..	..	..	.	..	..	..	..	..	..	..	185
Bellary	..	..	..	..	..	..	..	..	2,620	..	..	..
Kurnool	..	..	..	..	.	..	..	..	..	..	..	..
Total received from forests into the sale depôts during the year	6,750	..	..	..	17,754	..	213	24,717	34,041	760	..	632
Receipts from one sale depôt into another ..	..	..	..	.	550	..	..	550	..	760	..	..
Quantity found in depôts in excess of original measurement in the forests	..	..	..	..	45	12	20	77	10	..	..	..
Total receipts, including previous year's stock ..	6,750	..	..		19,911	52	1,379	28,092	44,609	10,055	..	632
Sold from depôts	6,600	..	..	..	13,906	..	1,051	21,557	39,139	760	..	532
Removed from one sale depôt into another ..	..	..	..	..	550	..	..	550	..	760	..	..
Deduct excess by wrong measurement	..	..	..	..	963	..	172	1,135	1,401	..	..	..
Quantity used departmentally, wastage written off, &c	132	..	..	..	77	..	14	223	4,069	8,535	..	44
Total ..	6,732	..	..	..	15,496	..	1,237	23,465	44,609	10,055	..	576
Balance at the end of the year	18	..	..	..	4,415	52	142	4,627	..	..	..	56
Central Circle												
Stock of the circle at sale depôts at the beginning of the year	..	..	..	77,526	..	..	812	78,338	23,942	..	91	40,560
Nellore	..	..	..	..	..	..	..	..	211,618	..	..	4,204
Cuddapah	..	..	..	128	..	..	4,706	4,834	..	.	..	8,535
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	..	1,728	..	..	286	2,014	71,779	750	444	..
South Arcot	..	..	..	..	..	..	..	.	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	.	..	..	..
Trichinopoly . .	..	..	..	..	..	..	202	202	40,733	..	..	..
Salem	..	..	..	..	..	..	1,761	1,761	..	3,220	531	..
Total received from forests into the sale depôts during the year .. .	..	..	..	1,856	..	..	6,955	8,811	324,130	3,970	975	12,739
Quantity found in depôts in excess of original measurement in the forests . .	..	..	..	3,800	..	..	..	3,800	6,475	..	2	28
Total receipts, including previous year's stock ..	..	..	..	83,182	..	..	7,767	90,949	354,547	3,970	1,068	53,827
Sold from depôts	.	..	..	82,097	..	..	7,012	89,109	323,963	3,220	446	47,734
Quantity used departmentally, wastage, written off, &c. ..	..	..	..	127	..	..	288	415	2,235	..	18	1,129
Total .	..	..	..	82,224	..	..	7,300	89,524	326,198	3,220	464	48,863
Balance at the end of the year	..	..	..	958	..	..	467	1,425	28,349	750	604	4,464

Receipts and Issues of Timber and other produce in sale depôts during the year 1892–93—*cont.*

—	Timber.								Fuel.	Bamboos.	Sandalwood.	Minor produce.
	Teak.	Rosewood.	Vengai.	Redwood.	Sál.	Ironwood.	Miscellaneous	Total				
Southern Circle.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	C. FT.	MDS.
Stock of the circle at sale depôts at the beginning of the year	18,116	..	230	.	.	..	8,990	27,336	47,462	750	1,686	16
Madura	..	..	..	..	..	..	..	..	21,299	..	..	..
Tinnevelly	..	..	..	..	..	..	1,746	1,746	1,267	..	..	3
North Coimbatore ..	..	27	9	..	..	..	39	75	1	90	1,555	..
South do. ..	26,103	203	465	..	..	..	27,752	54,523	..	..	..	..
Nilgiris	..	..	..	.	..	..	146	146	204,184	..	..	..
North Malabar .. .	..	..	..	..	..	..	..	..	..	..	..	..
South do.	7,451	.	..	..		..	..	7,451	821	6,242	..	..
South Canara	1,423	270	405	..	..	.	8,321	10,419	..	..	..	..
Total received from forests into the sale depôts during the year	34,977	500	879	.	..	.	38,004	74,360	227,572	6,332	1,555	3
Quantity found in depôts in excess of original measurements in forest.	2,313	..	1	..	..	.	4	2,318	..	..	..	..
Total receipts including previous year's stock .	55,406	500	1,110	..	..	..	46,998	104,014	275,034	7,082	3,241	19
Sold from depôts	23,647	473	1,043	..	..	..	42,676	73,839	218,762	6,242	2,614	15
Excess by wrong measurement	1	2	..		..	..	3	6	..	..	..	..
Quantity used departmentally, wastage written off, &c.	4,614	..	..	..	..	..	1,119	5,733	18,172	840	..	4
Total ..	34,262	475	1,043	..	..	..	43,798	79,578	236,934	7,082	2,614	19
Balance on 30th June 1893	21,144	25	67	..	..	..	3,200	24,436	38,100	..	627	..
					Grand Total.							
Stock of the circles at sale depôts at the beginning of the year	18,116	..	230	77,526	1,562	40	10,948	108,422	81,962	9,285	1,777	40,576
Total received from forest into sale depôts during the year	41,727	500	879	1,856	17,754	..	45,172	107,888	585,743	11,062	2,530	13,374
Receipts from one sale depôt into another .	..		..	..	550	..	..	550	..	760	..	..
Quantity found in excess of original measurements in forests ..	2,313	..	1	3,800	45	12	24	6,195	6,485	..	2	28
Total receipts including previous year's stock ..	62,156	500	1,110	83,182	19,911	52	56,144	223,055	674,190	21,107	4,309	53,978
Sold from depôts ..	36,247	473	1,043	82,097	13,906	..	50,739	184,505	581,864	10,222	3,060	48,281
Removed from one sale depôt into another ..	..	..	..	..	550	..	..	550	..	760	..	..
Deduct excess by wrong measurement .. .	1	2	..	..	963	..	175	1,141	1,401	..	..	..
Quantity used departmentally, wastage written off, &c.	4,746	..	..	127	77	..	1,421	6,371	24,476	9,375	18	1,177
Total ..	40,994	475	1,043	82,224	15,496	..	52,335	192,567	607,741	20,357	3,078	49,458
Stock on 30th June 1893.	21,162	25	67	958	4,415	52	3,809	30,488	66,449	750	1,231	4,520

Annual Form No. 71.

Forest Department, Madras Presidency.

Sales of timber and other produce cut and collected by Government Agency during the year 1892–93 (from 1st April 1892 to 30th June 1893).

District.	Timber.														Total Timber.			
	Teak.		Rosewood.		Vengai.		Redwood.		Sál.		Ironwood.		Miscellaneous.		From depôt.		From forest.	
	From depôt.	From forest.	From depôt.	From forest.	From depôt.	From forest.	From depôt.	From forest.	From depôt.	From forest.	From depôt.	From forest.	From depôt.	From forest.	Quantity.	Amount.	Quantity.	Amount.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	RS.	C. FT.	RS.
Direction	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..
Ganjám	..	..	..	..	..	..	..	..	13,906	..	..	..	946	..	14,852	4,250	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	* ..	24
Gódávari	6,600	22,011	..	..	..	..	..	..	..	..	..	..	105	4,093	6,705	3,578	26,104	11,320
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	7,732	..	..	7,732	431
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	350	..	..	350	44
Bellary	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	3
Kurnool	..	70	..	..	..	1,638	..	..	..	..	..	..	..	1,043	..	..	2,751	2,873
Total	6,600	22,081	..	..	..	1,638	..	..	13,906	..	..	..	1,051	13,221	21,557	7,828	36,940	14,695
Central Circle.																		
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..	..	9	2
Cuddapah	..	..	..	..	..	..	81,327	..	..	..	..	..	4,846	2,496	86,173	16,835	2,496	102
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	705	..	..	705	57
North Arcot	..	..	..	..	..	..	770	1,703	..	..	..	..	66	14,330	336	850	16,033	7,863
South do.	..	..	..	..	..	..	..	..	..	..	..	..	339	664	339	11	664	163
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem	..	..	..	..	..	..	..	..	..	..	..	..	1,761	..	1,761	1,311	..	..
Total	..	..	..	..	..	..	82,097	1,703	..	..	..	..	7,012	18,204	89,109	19,007	19,907	8,187
Southern Circle.																		
Madura	..	214	..	790	..	3,224	..	..	..	..	..	..	..	1,390	..	..	5,618	6,322
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	606	6,680	606	243	6,680	5,672
North Coimbatore	..	..	27	..	9	..	..	..	..	..	..	..	70	204	106	5	204	10
South do.	19,340	851	201	..	572	32	..	..	..	..	..	..	31,695	10,857	51,808	34,620	11,740	5,790
Nilgiris	..	19,192	..	249	..	11,549	..	..	..	..	..	..	246	213	246	259	31,203	13,117
North Malabar	..	17,079	..	1,077	..	6,193	..	..	..	..	..	..	..	1,312	..	..	25,661	14,655
South do.	8,970	6,749	..	335	..	622	..	..	..	..	..	..	..	30,703	8,970	14,518	38,409	24,679
South Canara	1,337	278	245	535	462	1,169	..	..	..	..	..	..	10,059	5,385	12,103	9,568	7,367	417
Total	29,647	44,363	473	2,986	1,043	22,789	..	..	..	.	..	..	42,676	56,744	73,839	59,213	1,26,882	70,662

* The Collector has not given the quantity sold.

Sales of timber and other produce cut and collected by Government Agency during the year 1892–93, &c.—*cont.*

District.	Fuel.				Bamboos.				Sandalwood.				Minor produce.			
	From depôt.		From forest.		From depôt.		From forest.		From depôt.		From forest.		From depôt.		From forest.	
	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Northern Circle.	C. FT.	RS.	C. FT.	RS.	NO.	RS.	NO.	RS.	C. FT.	RS.	C. FT.	RS.	MDS.	RS.	MDS.	RS.
Direction	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	178
Ganjám	346	21	..	..	760	5	..	..	..	..	..	..	1	1	..	..
Vizagapatam	..	..	* ..	4	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	6,693	534	..	..	..	.	..	..	..	..	402	276	..	..
Kistna	36,173	2,108	77,918	3,691	..	..	..	..	..	..	..	..	.	..	40	9
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	129	130	..	..
Bellary	2,620	592	10,100	387	..	..	..	..	..	..	..	..	..	..	688	100
Kurnool	..	..	23,156	457	..	..	4,620	258	..	..	..	..	..	..	40,409	934
Total ..	39,139	2,721	117,867	5,073	760	5	4,620	258	..	..	..	..	532	407	41,137	1,221
Central Circle.																
Nellore	211,415	32,355	86,012	6,868	..	..	240	112	..	..	..	..	4,232	4,287	2,957	1,260
Cuddapah	..	..	860	379	..	..	8,334	123	..	..	..	..	43,502	1,596	1,850	928
Chingleput	..	..	34	134	..	..	..	..	..	..	..	..	..	..	3	9
North Arcot	72,159	10,903	269,867	14,453	..	..	4,454	2,430	444	4,980	..	..	..	..	231	45
South do.	..	..	41,157	4,086	..	..	1,700	349	..	..	..	..	..	..	30	3
Tanjore	..	..	1,360	94	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	40,389	3,355	170,275	11,188	..	..	..	..	..	..	..	..	..	..	3	16
Salem	..	..	32,996	3,318	3,220	180	..	..	2	6	..	..	..	..	537	14
Total ..	323,963	46,613	602,561	40,520	3,220	180	14,728	3,014	446	4,986	..	..	47,734	5,883	5,611	2,275
Southern Circle.																
Madura	14,852	1,771	23,107	726	..	..	2,091	57	..	..	..	.	..	..	..	..
Tinnevelly	1,200	97	315,342	7,249	..	..	700	7	..	..	..	..	8	112	435	142
North Coimbatore	..	..	..	..	..	..	..	..	2,614	24,714	..	..	..	..	..	..
South do.	3,249	653	35,266	843	..	..	..	..	..	..	..	..	..	..	3,301	7,601
Nilgiris	198,658	16,963	170,839	6,840	..	..	..	..	..	..	1,034	10,400	..	..	320	710
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	84
South do.	803	38	..	..	6,242	574	656	43	..	..	..	..	7	1	286	871
South Canara	..	..	154,256	5,888	..	..	2,292	6	..	..	..	..	..	..	9,923	29,444
Total ..	218,762	19,522	698,810	21,546	6,242	574	5,739	113	2,614	24,714	1,034	10,400	15	113	14,266	39,052

* The Collector has not given the quantity sold.

Sales of timber and other produce out and collected by Government Agency, &c.—*cont.*

	Quantity sold.			Amount of sales.			Amount actually realized.
	From depôt.	From forest.	Total.	From depôt.	From forest.	Total.	
			Abstract.				
				Rs.	Rs.	Rs.	Rs.
Northern Circle.							
I (*a*) Timber .. .. C.ft.	21,557	36,940	58,497	7,828	14,695	22,493	22,559
(*b*) Fuel .. .. ,,	39,139	117,867	157,006	2,721	5,073	7,794	7,794
(*c*) Bamboos .. .. No.	760	4,620	5,380	5	258	263	328
(*d*) Sandalwood .. .. C.ft.	..	..	..	..	..	..	..
(*e*) Minor produce .. Mds.	532	41,137	41,669	407	1,221	1,458	1,628
Central Circle.							
I (*a*) Timber .. .. C.ft.	89,109	19,907	109,016	19,007	8,187	27,194	26,968
(*b*) Fuel .. .. .. ,,	323,963	602,561	926,524	46,613	40,520	87,133	86,020
(*c*) Bamboos .. .. No.	3,220	14,728	17,948	180	3,014	3,194	3,194
(*d*) Sandalwood .. .. C.ft.	446		446	4,986	..	4,986	4,981
(*e*) Minor produce .. Mds.	47,734	5,611	53,345	5,883	2,275	8,158	8,163
Southern Circle.							
I (*a*) Timber .. .. C.ft.	73,839	126,882	200,721	59,213	70,662	1,29,875	1,34,134
(*b*) Fuel .. .. .. ,,	218,762	698,810	917,572	19,522	21,546	41,068	39,909
(*c*) Bamboos .. .. No.	6,242	5,739	11,981	574	113	687	679
(*d*) Sandalwood .. .. C.ft.	2,614	1,034	3,648	24,714	10,400	35,114	35,114
(*e*) Minor produce .. Mds.	15	14,266	14,281	113	39,052	39,165	39,337
			Grand Total				
I (*a*) Timber .. .. C.ft.	184,505	183,729	368,234	86,048	93,544	1,79,592	1,83,661
(*b*) Fuel .. .. .. ,,	581,864	1,419,238	2,001,102	68,856	67,139	1,35,995	1,33,723
(*c*) Bamboos .. .. No.	10,222	25,087	35,309	759	3,385	4,144	4,201
(*d*) Sandalwood .. .. C.ft.	3,060	1,034	4,094	29,700	10,400	40,100	40,095
(*e*) Minor produce .. Mds.	48,281	61,014	109,295	6,403	42,548	48,951	49,128

Grand total of sales during the year both from forests and depôts	4,08,782	4,10,808
Add outstandings due from previous year as per Form No. 66 ..	7,456	..
Total ..	4,16,238	..
Deduct amount of outstandings written off	525	..
Do realized as per Form No. 64	4,10,808	..
Balance outstanding on 30th June 1893 ..	4,905	..

Annual Form No. 72-A.

Forest Department, Madras Presidency.

Timber and other produce cut, collected and removed by consumers or purchasers during 1892–93 (from 1st April 1892 to 30th June 1893).

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales.											
				Timber		Firewood and charcoal.		Bamboos.		Grazing and fodder grass		Minor produce.		Total	
				Amount of sales.	Amount actually realized during the year	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS	RS	RS.	RS.	RS.
Ganjám	167,815	570,349	2,311,740	17,999	17,999	7,753	7,753	8,186	8,186	2,642	2,642	3,739	3,739	40,319	40,319
Vizagapatam	79,087	311,261	541,932	2,519	2,519	6,988	6,988	5,895	5,895	75	75	3,382	3,382	18,859	18,859
Gódávari	307,352	477,069	6,596,569	29,471	29,471	10,662	10,662	35,589	35,560	4,356	4,356	9,029	9,029	89,107	89,078
Kistna	327,929	877,948	104,445	21,897	21,875	13,849	13,849	503	503	45,249	45,425	18,394	19,293	99,892	1,00,945
Anantapur	39,330	112,880	12,794	6,458	6,458	2,711	2,711	204	204	1,559	1,559	15,319	15,319	26,251	26,251
Bellary	104,311	190,398	82,806	7,980	7,980	4,645	4,645	1,656	1,656	3,943	3,943	23,231	26,064	41,455	44,228
Kurnool	338,688	319,320	2,207,975	37,204	37,204	9,036	9,036	16,605	16,605	10,846	10,846	9,444	9,519	83,135	83,210
Total ..	1,364,512	2,859,225	11,858,261	1,23,528	1,23,506	55,644	55,644	68,638	68,609	68,670	68,846	82,538	86,285	3,99,018	4,02,890
Central Circle.															
Nellore	167,522	97,893	1,488	12,164	12,164	2,562	2,562	111	111	15,055	15,055	14,904	14,904	44,796	44,796
Cuddapah	110,813	576,041	725,750	18,175	18,175	19,857	19,857	7,267	7,267	10,954	10,954	79,546	79,546	1,35,799	1,35,799
Chingleput	33,044	168,726	2,818	4,321	4,321	10,393	10,393	259	259	5,403	5,403	24,878	24,878	45,254	45,254
North Arcot	59,447	223,538	426,322	10,335	10,335	33,774	33,772	29,341	29,341	11,669	11,669	53,986	53,986	1,39,105	1,39,103
South do.	62,273	524,945	340,000	7,994	8,042	28,952	28,952	3,407	3,407	8,623	8,623	42,744	42,744	91,720	91,768
Tanjore	20,117	403,262	86,016	1,265	1,265	8,574	8,574	394	394	687	687	6,158	6,158	17,078	17,078
Trichinopoly	217,152	1,019,047	753,505	15,550	15,550	14,677	14,569	5,445	5,445	5,904	5,303	27,492	26,907	69,068	67,774
Salem	305,865	668,241	4,125,080	26,753	26,753	32,015	31,934	31,600	31,600	18,300	18,300	50,217	49,735	1,58,885	1,58,322
Total ..	976,233	3,681,693	6,460,979	96,557	96,605	1,50,804	1,50,613	77,824	77,824	76,595	75,994	2,99,925	2,98,858	7,01,705	6,99,894
Southern Circle.															
Madura	26,157	77,366	126,000	12,081	12,031	7,435	8,185	1,262	1,262	1,014	1,014	59,885	40,974	81,627	63,466
Tinnevelly	22,048	1,501,644	180,000	6,731	6,731	44,762	45,348	1,779	1,705	4,280	4,280	20,413	20,549	77,965	78,613
North Coimbatore ..	52,194	421,200	1,030,000	6,534	6,534	12,717	12,682	10,298	10,298	41,250	41,250	43,429	44,087	1,14,228	1,14,851
South do.	21,053	875,793	650,000	5,294	5,294	14,333	14,333	6,457	6,457	14,614	14,625	9,026	9,026	49,724	49,735
Nilgiris	16,826	46,654	23,363	3,927	3,927	1,412	1,412	2,496	2,496	4,936	4,936	3,232	3,232	16,003	16,003
North Malabar	17,564	1,536	40,041	4,644	4,644	16	16	591	591	455	455	3,748	2,498	9,454	8,204
South do.	84,759	277,190	153,084	3,987	3,987	4,922	4,922	1,631	1,631	128	128	353	353	11,021	11,021
South Canara	10,299	316,448	89,000	2,444	2,444	6,109	6,109	1,336	1,336		..	18,744	16,731	28,633	26,620
Total ..	250,900	3,517,831	2,291,488	45,592	45,592	91,706	93,007	25,850	25,776	66,677	66,688	1,58,830	1,37,450	3,88,655	3,68,513
Grand total ..	2,591,645	10,058,749	20,610,728	2,65,677	2,65,703	2,98,154	2,99,264	1,72,312	1,72,209	2,11,942	2,11,528	5,41,293	5,22,593	14,89,378	14,71,297

Add outstanding due from previous year as per Form No. 66 . ..		13,774
	Total ..	15,03,152
Deduct amount of outstanding written off, &c.		1,760
Do. realized during the year as per Form No. 64		14,71,297
Balance outstanding on 30th June 1893 as per Form No. 66		30,095

ANNUAL FORM No. 72-B.

Forest Department, Madras Presidency.

TIMBER and other Produce confiscated and sold during the year 1892–93 (from 1st April 1892 to 30th June 1893).

District.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	3,335	605	961	49	430	1	14	669	669
Vizagapatam ..	1,773	57	277	6	91	2	105	170	170
Gódávari	17,182	4,226	3,314	98	300	4	26	4,354	4,354
Kistna	1,841	135	604	32	4,320	32	74	273	273
Anantapur	50	9	3,097	323	..	..	53	385	385
Bellary	46	38	954	92	..	..	4	134	134
Kurnool	2,642	852	597	39	768	4	44	939	939
Total ..	26,869	5,922	9,804	639	5,909	43	320	6,924	6,924
Central Circle.									
Nellore	335	35	343	17	..	..	..	52	52
Cuddapah	1,175	562	128	12	80	3	276	853	854
Chingleput	206	120	122	11	100	1	.	132	132
North Arcot ..	662	169	4,913	244	1,260	8	18	439	439
South do. ..	3,002	195	14,560	227	100	1	77	500	500
Tanjore	..	..	52	6	..	..	..	6	6
Trichinopoly ..	337	351	1,278	41	455	10	30	432	432
Salem	2,229	1,403	992	84	24,360	29	22	1,538	1,538
Total ..	7,946	2,835	22,388	642	26,355	52	423	3,952	3,953
Southern Circle.									
Madura	2,683	227	1,030	29	..	..	3	259	259
Tinnevelly	28	21	4,734	171	..	..	19	211	211
North Coimbatore ..	204	66	273	10	3,570	39	5	120	120
South do. ..	756	90	818	66	3,500	39	46	241	241
Nilgiris	40	9	105	6	216	2	1	18	18
North Malabar ..	..	..	..	..	..	..	1	1	1
South do. ..	4	1	40	1	136	2	11	15	15
South Canara ..	4,275	575	982	35	2,192	21	33	664	664
Total ..	7,990	989	7,982	318	9,614	103	119	1,529	1,529
Grand Total ..	42,805	9,746	40,174	1,599	41,878	198	862	12,405	12,406

Add outstanding due from previous year as per Form No. 66	13*
Total ..	12,418
Deduct amount of outstanding recovered and apparently adjusted under V	* 12
Do. realized during the year as per Form No. 66	12,406
Balance outstanding on 30th June 1893 ..	..

* Rs. 12 outstanding in 1891–92 against Tanjore appears to have been recovered and adjusted against V.

Annual Form No. 73-A.

Forest Department, Madras Presidency.

Abstract showing the Value of Timber and other produce at sale depôts for the year 1892–93.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at end of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Northern Circle.			Rs.			Rs.	Rs.	Rs.
Ganjám ..	Sal logs	224	1,462	548	209	4,320	1,620	1,072	..
	,, sleepers	54	100	108	27	94	54	..	54
	,, slabs	6,721	..	105	69	7	1	..	104
	Miscellaneous	64	1,026	144	1	16	2	..	142
	Total, Timber ..	..	2,588	905	..	4,437	1,677	772	..
	Firewood	..	5,806	181	..	..	..	..	181
	Bamboos	8,535	..	105	..	..	..	..	105
Vizagapatam ..	Ironwood	2	40	40	2	40	40	..	..
	Miscellaneous	6	120	120	6	120	120	..	..
	Total, Timber ..	..	160	160	..	160	160	..	..
Gódávari ..	Teak	..	..	..	..	18	27	27	..
	Ironwood	..	..	..	..	12	18	18	..
	Total, Timber ..	..	..	..	..	30	45	45	..
Kistna ..	Firewood	..	4,752	72	..	..	..	..	72
Anantapur ..	Minor produce	..	..	..	Mds. 56	..	139	139	..
	Central Circle.								
Nellore ..	Firewood	..	19,091	2,552	..	19,294	2,267	..	285
Cuddapah ..	Redwood roots and stumps.	..	77,526	15,327	..	..	..	..	15,327
	Miscellaneous	..	470	294	..	245	40	..	254
	Total, Timber ..	..	77,996	15,621	..	245	40	..	15,581
	Minor produce	Mds. 40,560	..	20,711	Mds. 4,464	..	585	..	20,126
North Arcot ..	Miscellaneous timber ..	..	..	..	..	220	31	31	..
	Redwood posts	..	..	..	..	958	240	240	..
	Total, Timber ..	..	..	..	..	1,178	271	271	..
	Firewood	..	1,715	128	..	6,095	1,373	1,245	..
	Bamboos	..	..	..	750	..	15	15	..
South Arcot ..	Sandalwood roots ..	..	91	361	..	73	359	..	2
	Miscellaneous timber ..	..	342	211	..	(a) 2	1	..	210
Trichinopoly ..	Firewood	..	3,136	260	..	2,960	182	..	78
Salem	Sandalwood	lbs. 19	..	1	..	531	6,271	6,270	..

(a) Vengai included under Miscellaneous in 1891–92 report.

Abstract showing the Value of Timber and other produce at sale depôts for the year 1892–93—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at end of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Southern Circle.			Rs.			Rs.	Rs.	Rs.
Madura ..	Firewood	..	2,456	241	..	10,435	1,169	928	..
	Charcoal	..	2,218	186	..	686	58	..	128
Tinnevelly ..	Miscellaneous	2	12	12	..	385	191	179	..
	Minor produce	Mds. lb. 7 23	.. ..	114	..	..	.. ..	..	114
North Coimbatore.	Sandalwood billet and roots	..	1,686	1,645	..	627	16,441	14,796	
	Miscellaneous	..	380	85	..	..	..	..	85
	Bamboos	No. 750	..	10	..	..	..	..	10
South Coimbatore.	Teak	..	12,316	17,110	..	18,498	27,888	10,778	..
	Redwood	..	106	106	..	..	..	..	106
	Miscellaneous	..	4,275	2,561	..	303	150	..	2,411
	Total, Timber ..	..	16,697	19,777	..	18,801	28,038	8,261	..
	Firewood	..	20,743	1,779	..	..	..	..	1,779
	Minor produce	lb. 3	..	6	..	..	..	..	6
Nilgiris ..	Miscellaneous timber ..	..	374	466	..	251	219	..	247
	Firewood and charcoal ..	..	22,013	1,630	..	26,979	1,940	310	..
South Malabar.	Teak	..	5,419	1,500	..	2,179	3,268	1,768	..
	Fuel	..	32	2	..	..	..	..	2
	Minor produce	Mds. 7½	..	5	..	..	..	..	5
South Canara ..	Teak	..	381	621	..	467	759	138	..
	Rosewood	..	124	109	..	25	27	..	82
	Miscellaneous	..	3,999	3,278	..	2,261	2,168	..	1,110
	Vengai	..	..	..	..	67	60	60	..
	Total, Timber ..	..	4,504	4,008	..	2,820	3,014	..	994

ABSTRACT.

	Northern Circle.								
	Timber	..	2,748	1,065	..	4,627	1,882	817	..
	Firewood	..	10,558	253	..	..	..	..	253
	Bamboos	No. 8,535	..	105	..	..	..	..	105
	Minor produce	..	..	..	Mds. 56	..	139	139	..
	Central Circle.								
	Timber	..	78,338	15,832	..	1,425	312	..	15,520
	Sandalwood	..	91	362	..	604	6,630	6,268	..
	Firewood	..	23,042	2,940	..	28,349	3,822	882	..
	Bamboos	..	..	..	No. 750	..	15	15	..
	Minor produce	Mds. 40,560	..	20,711	Mds. 4,464	..	585	..	20,126

Abstract showing the Value of Timber and other produce at sale depôts for the year 1892-93—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at end of the year			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet	Value.	In favour of the year.	Against the year.
	ABSTRACT—*cont.*								
	Southern Circle.			Rs.			Rs.	Rs.	Rs.
	Timber	..	27,336	25,848	..	24,436	34,730	8,882	..
	Sandalwood	..	1,686	1,645	..	627	16,441	14,796	..
	Firewood	..	47,462	3,838	..	38,100	3,167	..	671
	Bamboos	No. 750	..	10	..	..	..	..	10
	Minor produce	Mds 16	..	125	..	..	..	..	125
	Grand Total.								
	Timber	..	108,422	42,745	..	30,488	36,924	..	5,821
	Sandalwood	..	1,777	2,007	..	1,231	23,071	21,064	.
	Firewood	..	81,962	7,031	..	66,449	6,989	..	42
	Bamboos	No. 9,285	..	115	No. 750	..	15	..	100
	Minor produce	Mds 40,576	..	20,836	Mds. 4,520	..	724	..	20,112

Annual Form No. 73-B.

Forest Department, Madras Presidency.

Abstract showing the Value of Live-stock, Stores, Tools and Plant for the year 1892–93 (from 1st April 1892 to 30th June 1893).

Districts.	Surveying, &c., Instruments				Tools				Machinery				Furniture			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Direction	24	402	24	402	..	..	..	..	..	..	..	..	109	1,790	109	1,790
Ganjám	39	643	47	852	185	264	189	280	..	..	..	..	55	410	58	422
Vizagapatam	13	23	18	343	24	11	75	65	..	..	..	..	36	317	40	* 286
Gódávari	62	537	56	* 534	594	1,084	602	1,109	..	..	..	..	62	412	85	658
Kistna	51	625	60	739	389	480	416	* 451	..	..	..	..	59	461	67	585
Anantapur	59	281	44	* 247	91	325	149	614	..	..	..	..	56	328	78	470
Bellary	33	138	37	* 137	227	396	267	437	..	..	..	..	38	271	38	* 232
Kurnool	54	269	55	507	572	772	572	* 719	..	..	..	..	53	449	58	456
Total	335	2,918	341	3,761	2,082	3,332	2,270	3,675	..	..	..	..	468	4,438	533	4,899
Central Circle.																
Direction	19	249	19	249	..	..	..	..	..	..	..	..	51	186	51	186
Nellore	60	395	61	404	357	1,032	473	1,211	miles 7¼	32.644	miles 7¼ 15	34,802	73	414	76	423
Cuddapah	78	406	103	690	377	591	474	1,396	miles 3½	13,967	miles 3½	13,967	83	637	114	813
Chingleput	24	382	23	* 380	289	644	393	733	..	..	..	..	44	446	81	762
North Arcot	21	639	21	* 632	1,105	2,345	1,360 cwt. 32·94	2,513	miles 2½ 38	11,620	miles 2½ 48	* 11,021	116	554	117	* 547
South Arcot	75	1,325	118	1,415	734	459	919	662	7	271	7	271	162	1,495	170	1,550
Tanjore	23	† ..	23	† ..	210	16	210	16	..	..	..	..	20	† ..	46	17
Trichinopoly	9	412	9	412	1,035	1,220	1,037	1,232	..	..	..	..	61	421	66	518
Salem	46	450	108	521	301	1,072	1,145	2,167	..	..	2	21	1	60	321	1,481
Total	355	4,258	485	4,703	4,408	7,379	6,011 cwt. 32 94	9,930	45 miles 13¼	58,502	72 miles 13¼	60,082	611	4,213	1,042	6,297

* Collectors do not explain the variation between these and previous years' figures.

† Value not given.

Abstract showing the Value of Live-stock, Stores, Tools and Plant for the year 1892–93—*cont.*

Districts.	Buildings				Live-stock				Miscellaneous				Total					
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		Difference in value	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Northern Circle.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
Direction	..	..	..	..	.	..	..	..	27	121	27	121	160	2,313	160	2,313	..	..
Ganjám	25	9,698	20	11,148	..	..	2	3,000	18	200	17	* 183	322	11,215	333	15,885	4,670	..
Vizagapatam	15	613	16	855	..	..	..	..	1	12	1	* 10	89	976	150	1,559	583	..
Gódávari	26	4,261	26	4,261	1	1,500	3	1,585	140	2,364	363	2,453	885	10,158	1,135	10,600	442	..
Kistna	47	7,193	48	8,429	..	..	..	..	22	2,702	6	* 2,460	568	11,461	597	12,664	1,203	..
Anantapur	10	10,915	13	12,567	..	..	..	..	99	244	..	* ..	315	12,093	284	13,898	1,805	..
Bellary	4	1,315	4	* 1,305	..	..	..	..	23	108	26	* 89	325	2,228	372	2,200	..	28
Kurnool	50	19,861	53	19,932	..	..	..	..	16	75	16	* 70	745	21,426	754	21,684	258	..
Total ..	177	53,856	180	58,497	1	1,500	5	4,585	346	5,826	456	5,386	3,409	71,870	3,785	80,803	8,933	..
Central Circle.																		
Direction	..	..	..	..	..	..	..	..	19	40	19	40	89	475	89	475	..	..
Nellore	9	3,114	9	* 2,079	..	..	..	..	63	5,036	240	5,154	562 miles 7½	42,635	874 miles 7½	44,073	1,438	..
Cuddapah	112	17,771	104	18,982	2	32	2	* 37	22	182	† ..	† ..	674 miles. 3½	33,586	797 miles 3½	35,885	2,299	..
Chingleput	16	3,265	17	3,288	..	..	..	..	40	154	31	* 27	413	4,891	545	5,190	299	..
North Arcot	40	6,015	37	6,725	..	..	.	..	169	343	† ..	† ..	1,489 miles. 2½	21,516	1,583 miles 2½ cwt. 32·94	21,438	..	78
South Arcot	12	6,136	13	7,650	..	..	..	..	480	1,544	584	1,612	1,470	11,230	1,811	13,160	1,930	..
Tanjore	5	326	5	326	..	..	..	..	22	77	1	* 60	280	419	285	419	..	..
Trichinopoly	10	2,062	10	2,062	..	..	..	..	224	479	229	* 368	1,339	4,594	1,351	4,592	..	2
Salem	..	..	17	12,886	..	..	..	..	268	545	2	* 14	616	2,127	1,595	17,090	14,963	..
Total ..	204	38,689	212	53,998	2	32	2	37	1,307	8,400	1,106	7,275	6,932 miles. 13¼	1,21,473	8,930 miles 13¼ cwt. 32·94	1,42,322	20,849	..

Collectors do not explain the variation between these and previous years' figures.

† Collectors omit to explain the omission.

Abstract showing the Value of Live-stock, Stores, Tools and Plant for the year 1892–93—*cont.*

Districts.	Surveying, &c., Instruments				Tools				Machinery				Furniture.			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Southern Circle.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Direction	..	..	65	641	..	..	1	30	..	..	..	..	..	..	90	682
Madura	57	944	56	* 823	345	4,091	606	5,295	..	..	..	..	115	1,065	144	1,314
Tinnevelly	49	838	62	960	603	710	840	1,237	2	170	14	178	161	1,340	310	1,866
North Coimbatore	25	77	37	630	473	35	522	1,251	..	..	..	..	156	74	160	1,383
South do.	50	59	50	59	652	† ..	652	† ..	3,206	42,447	3,206	42,447	171	49	171	49
Nilgiris	31	285	26	* 262	681	1,172	651	1,270	4	1,820	4	1,820	64	575	74	* 540
North Malabar	37	515	44	1,257	65	400	68	902	..	..	..	..	..	..	..	..
South do.	10	322	13	409	809	555	472	* 513	17	106	10	* 60	44	225	40	395
South Canara	36	63	42	577	496	940	407	* 544	..	..	..	..	84	245	112	1,018
Total ..	295	3,103	395	5,618	4,124	7,903	4,219	11,042	3,229	44,543	3,234	44,505	795	3,573	1,101	7,247
Grand Total ..	985	10,279	1,221	14,082	10,614	18,614	12,500 cwt. 32·94	24,647	3,874 miles 13¼	1,03,045	3,306 miles 13¼	1,04,587	1,874	12,224	2,676	18,443

* Collectors do not explain the variation between these and previous years' figures.

† Value not given.

Abstract showing the Value of Live-stock, Stores, Tools and Plant for the year 1892-93—*cont.*

Districts.	Buildings				Live-stock				Miscellaneous				Total					
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		Difference in value	
	Number.	Value.	Number.	Value.	Number	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Southern Circle.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		
Direction	..	..	..	..	..	..	..	..	..	..	139	364	..	..	295	1,717	1,717	..
Madura	78	15,261	91	24,252	..	..	..	..	154	636	† ..	† ..	749	21,997	897	31,684	9,687	..
Tinnevelly . ..	76	8,811	94	16,556	..	..	..	.	144	356	† ..	† ..	1,035	12,225	1,320	20,797	8,572	..
North Coimbatore ..	42	7,846	43	9,252	..	..	..	..	146	90	148	291	842	8,122	910	12,807	4,685	..
South do. ..	29	157	29	157	7	7,700	7	7,700	316	* ..	316	* ..	4,431	50,412	4,431	50,412	..	..
Nilgiris	40	6,160	48	6,203	5	2,600	5	2,600	12	75	11	80	837	12,687	819	12,775	88	..
North Malabar ..	..	..	..	..	6	6,400	9	7,850	7	57	7	57	115	7,372	128	10,066	2,694	..
South do.	24	26,933	24	27,273	17	17,502	21	31,400	168	976	117	1,118	1,089	46,619	697	61,168	14,549	..
South Canara	20	..	20	3,208	..	..	..	..	212	305	320	1,149	848	1,553	901	6,496	4,943	..
Total ..	309	65,168	349	86,901	35	34,202	42	49,550	1,159	2,495	1,058	3,059	9,946	1,60,987	10,398	2,07,922	46,935	..
Grand Total ..	690	1,57,713	741	1,99,396	88	35,734	49	54,172	2,812	16,721	2,620	15,720	20,287 miles, 13¼	3,54,330	23,113 miles, 13½ cwt. 32·94	4,31,047	76,717	..

* Value not given.

† Collectors omit to explain the omission.

ANNUAL FORM No. 74.

Forest Department, Madras Presidency.

STATEMENT of Live-stock during 1892–93 (from 1st April 1892 to 30th June 1893).

PART I.

In possession of the reporting officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	Rs. A. P.
Northern Circle.	*Elephants.*			
Ganjám ..	Badamoti Guz	Transferred from the Gódávari district in 1891–92.	Per head ..	47 1 11
	Jung Bahadur			
Gódávari ..	Pown Guz	Purchased in July 1888	Do. ..	52 11 8
Southern Circle.				
South Coimbatore.	1. Sankara	June 1888. Received from North Malabar.	Do. ..	39 12 5
	2. Chloe			
	3. Karthiyayani	August 1888. Received from South Malabar.		
	4. Peria Rani	May 1889.		
	5. Sinna Rani	August 1891.		
	6. Abdul	Captured 4th October 1891		
Nilgiris	1. Latchmi .. .	Transferred from the Anamalais on the 30th January 1892.	Do. ..	19 3 2
	2. Chinna Latchmi ..			
	3. Mabu Baksh	Born in January 1885		
	4. Akbar Baksh	Do. on 22nd February 1888		
	5. Meenatchi	Do. on 9th April 1889		
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	39 3 8
	2. Peri	Captured in April 1889		
	3. Kalyani	Purchased in October 1889		
	4. Lallameah . ..	Captured in March 1891		
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	29 12 5
	2. Peyru			
	3. Samson	Purchased from Mr. Morgan in 1885..		
	4. Eva			
	5. Thebau	Captured on 3rd January 1886 ..		
	6. Juno	Do. on 17th February 1886 ..		
	7. Jupiter	Do. on 9th January 1887 ..		
	8. Mars	Do. on 24th January 1887 ..		
	9. Maharaj	Transferred from Wynaad in 1888–89.		
	10. Jembu			
	11. Gordon	Captured on the 11th February 1889 ..		
	12. Eddy	Do. 10th February 1890 ..		
	13. Mary	Do. 31st March 1890 ..		—
	14. Loo	Do. 24th April 1890 ..		
	15. Hercules	Do. 24th December 1890 ..		
	16. Parvathi	Transferred from South Coimbatore in August 1891		
	17. Jessie	Captured on 10th December 1891 ..		
	Other Cattle.			
North Malabar ..	1. Two bullocks ..	Purchased in May 1890	Do. ..	9 7 10

Statement of Live-stock during 1892–93—*cont.*

Part II.

Received during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	Rs. A. P.
Southern Circle.	*Elephants.*			
South Coimbatore.	1. Phyllis II	Captured 25th September 1892 ..	Per head ..	30 8 8
	2. Jumbo II			
	3. Pragasam			
	4. Elsie	Captured 23rd September 1892 ..		
	5. Cerise			
	6. Alice			
	7. Ranger			
North Malabar ..	1. Cherry	Captured in May 1892	Do. ..	31 3 2
	2. Charlie	Do. in February 1893		
South Malabar ..	1. Flo	Born on 10th October 1892	Do. ..	18 1 1
	2. Dora	Captured 10th January 1893		
	3. Tippu	Do. 25th February 1893		
	4. Maharani	Do. 2nd March 1893		
	5. Venus	Do. 1st April 1893		
	Other Cattle.			
	1. One bullock	Purchased in June 1892	Do. ..	9 5 5

Part III.

Gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	Rs. A. P.	How disposed of.
	Elephants.				
South Coimbatore.	1. Maude	Captured July 1891 ..	Per head ..	36 0 3	Sold on 20th July 1892 for Rs. 300
	2. Cerise	Captured 23rd September 1892.	..	..	Died.
	3. Elsie				
	4. Ranger				
South Malabar ..	1. Dora	Captured 10th January 1893.	Per head ..	18 1 1	Handed over to the Zamorin Maharaja on receipt of ¾ of her value.
	Other Cattle.				
	1. Two Kodaikánal bulls.	Purchased in 1885 ..	Do. ..	9 9 5	Sold.
	2. Two Navanipatti bulls.	Do. in 1886 ..			
	3. Two bulls in the Gundanshola Depôt.	Purchased in 1889, of this, one was obtained by way of exchange giving Rs. 15 extra.			

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), dated 17th November 1893, Forest No. 786:—

Read—files of reports received from Collectors and Conservators on the progress of Forest Administration for 1892–93.

Resolution—dated 17th November 1893, Forest No. 786.

The Board begs to submit to Government its progress report of Forest Administration in the Madras Presidency for the fifteen months ending 30th June 1893.

2. The portions of the Northern and Central Circle Conservators' reports dealing with technical subjects, viz., natural and artificial reproduction and exotics, have been printed as an appendix to the Board's report. The report received from the Conservator, Southern Circle (Mr. Cherry), contained no information of any value in regard to practical forestry. To supply the defect an abstract of the district reports of this Circle on the subject is printed in Appendix E.

3. Although the special attention of Collectors was drawn to the numerous omissions noticed in the report for 1891–92, the Board regrets that many similar omissions have been found in the district reports now under review. The District Forest-officers concerned should be warned to be more careful and also more punctual in future.

4. The information from the districts necessary for the compilation of the statistical returns was not complete in the Board's office till the 23rd October.

(A true Extract.)

(Signed) W. S. MEYER,
Secretary.

ORDER—dated 29th December 1893, No. 1103, Revenue.

Forest No. 398.

With its Proceedings of November 17, 1893, read above, the Board submits its annual report on the administration of the Madras Forest Department during the year 1892–93. The period under review has been extended to June 30, in order to cover the special forest year which has now been declared to end on that date; the figures given in the report accordingly relate to a period of 15 months, and this fact has to be borne in mind in comparing them with the statistics of previous years. The report was received in the Government office on December 2, the date prescribed for its submission being November 15.

2. *Administrative changes.*—The most important administrative changes introduced during the period under review were (1) the introduction of the scheme of reorganisation of the superior staff of the Forest Department, and (2) the abolition of the office of the Examiner of Forest Accounts and the transfer of that officer's examination and audit work to the Accountant-General. The scheme of reorganisation sanctioned by the Government of India in July 1891 was not introduced until June 1892, although, as indicated in paragraph 2 of last year's review, it was given retrospective effect from 21st October 1891. The transfer of the audit to the Accountant-General was only sanctioned by the Government of India in November 1892, and the scheme could not therefore be brought into effect before the commencement of the current financial year.

3. *Areas and boundaries.*—The areas under the control of the Department at the commencement and at the close of the period under review are shown in detail in the statement appended to paragraph 9 of the report, and are reproduced in abstract below:—

—	Area on 1st April 1892.	Added during 15 months ending June 30, 1893.	Excluded during the same period.	Area on 30th June 1893.	Net increase or decrease
Reserved forests	7,175	2,441	180	9,436	+ 2,261
Do. lands	9,404	1,075	2,728	7,751	— 1,653
Total ..	16,579	3,516	2,908	17,187	+ 608

In former years a third item was added to this list under the head of "other forests," but this has now been rightly excluded, as the areas in question were not under the control of the Department. In accordance with the policy of Government the areas classed as "reserved lands" are gradually being settled under Chapter II of the Act and gazetted as "reserved forests," and the area shown as having been excluded from the former class of reserves has, for the most part, become absorbed in the latter. The total increase to the area of reserved forests would have been larger but for the exclusion of 178 square miles in the Tinnevelly district owing to the rectification of areas after survey. As the Board points out, the increase is mainly the result of the notification of large areas in Kistna, Bellary, Cuddapah, North and South Arcot and Salem, and more especially in Kurnool (though the Board has omitted to notice this fact) where four large blocks aggregating an area of 658 square miles were gazetted during the year as "reserved forests."

4. The total area under the control of the Department on June 30, 1893, was 17,187 square miles, or slightly less than one-third of the whole extent of lands at the disposal of Government. The areas under control in the various districts are shown in Abstract B appended to paragraph 10 of the report, and, as pointed out by the Board, vary very considerably, being 67·8 per cent. of the unoccupied area in Coimbatore and 64·5 per cent. in the Nilgiris, and averaging less than 20 per cent. in the districts of Ganjám, Anantapur, Chingleput and Malabar, and only 3·1 per cent. in Tanjore. The work of selection of further areas for reservation is being pushed on and is said to have been completed in North Arcot and Salem. In the districts

of Gódávari, Chingleput, Madura, Malabar and the Nilgiris, moreover, the extent of final reservation has practically been determined, and the Board has recently submitted a report from the Collector of Nellore containing definite proposals for the formation of reserves in his district. But, as shown in Appendix C of the report, there remains out of the area, already brought under control, a considerable balance of 1,669 square miles to be transferred for settlement, and adding to this the area of future selections, which was recently estimated by the Board at 5,872 square miles (Board's Proceedings read in G.O., No. 233, dated 14th March 1893), it is evident that much work will have to be done before the reservation of forests in the whole Presidency can be brought to a close. The completion of the Revenue survey in Anantapur and South Canara, the last two districts of the Presidency remaining unsurveyed, will, however, facilitate the work of selection and settlement of forests in those districts.

5. *Settlement.*—The details of the progress made in the work of forest settlement are shown in Appendix A of the report. The total area finally gazetted as "reserved forest" during the 15 months under review is compared below with the corresponding figures of previous years:—

AREAS notified under section 16 of Act V of 1882 and coming into force during the year.

1887–88.	1888–89.	1889–90.	1890–91.	1891–92.	1892–93, *i.e.*, 15 months ending June 30, 1893.
SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
715	404	307	1,374	2,063	2,261

This statement shows that during the last four years the outturn of settlement work, as evidenced by the final notifications, has steadily increased. The work of the Special Forest Settlement-officers is reviewed in paragraph 17 of the report, in which it is shown that 246 blocks with an aggregate area of 2,036 square miles were finally gazetted after settlement by these officers; the corresponding figures in the previous year were 164 and 2,765. The Board points out that there has also been a general falling off in the total area settled and reported on, but it is observed that the total number of blocks so settled was considerably in excess of the number settled in 1891–92, the figures being 198 and 122 respectively. As noticed in previous reports, the size of a block is not necessarily any criterion of the difficulty of settling it, and the number of claims put forward, the intricacy of the boundaries selected, and the nature of the country, in which the block is situated, have also to be taken into account. The work performed by all the special officers, with the exception of Mr. Lever, appears to have been satisfactory. The Government has already directed the submission of an early report on the poor returns of work shown by Mr. Lever (G.O., No. 3961, dated 2nd November 1893). The outturn of settlement work by Revenue Divisional officers was not satisfactory, and now that the Secretary of State has negatived the proposal to appoint an additional Settlement-officer for the two Northern districts, the Collectors of those districts should see that the work is taken in hand as soon as possible by the ordinary Revenue staff. There were in Ganjám 49 blocks with a total area of 442 square miles pending with Divisional officers on June 30, 1893, and in Vizagapatam 16 blocks with a total area of 249 square miles. Of the blocks awaiting settlement in Ganjám, 23 with an aggregate area of 394 square miles were notified for settlement so far back as 1884–85, and the Government trusts that endeavours will be made to clear off these long-standing arrears. The delay is attributed mainly to the inadequacy of the sketch-maps originally prepared. The question of preliminary forest surveys has already been fully dealt with in G.O., No. 875, dated 10th October 1893, and in the Board's Proceedings read therein, and His Excellency in Council will only reiterate the opinion that the possession of an accurate map of the proposed reserve at the commencement of operations is the corner-stone of the whole settlement.

6. *Demarcation.*—The following table shows the outturn in miles of preliminary and permanent demarcation for the last three years :—

—	1890-91.	1891-92.	1892-93.
Preliminary demarcation	345	1,864	2,027
Permanent do.	2,343	2,429	2,837
Total ..	2,688	4,293	5,464

The work done under each head shows a considerable increase on that performed in previous years. The figures of 1891–92 are, however, admittedly inaccurate and the value of the above comparison is therefore but small. It is observed that the details of the demarcation completed up to the end of 1891–92, and of the charges incurred, as shown in last year's report, differ very largely from those now furnished, and it is merely stated that statistics then given were incorrect. The great divergence between the figures in question is demonstrated in the subjoined statement, and the explanation given by the Board is quite inadequate :—

—		Miles.	Cost.	Average cost per mile during 1891-92.
			Rs.	Rs. A. P.
Preliminary demarcation.	As given in last year's report.	7,395	65,927	8 14 8
	As now given ..	4,773	28,898	5 8 4
				Total average cost per mile.
				Rs. A. P.
Permanent do.	As given in last year's report.	14,249	1,72,026	12 1 2
	As now given ..	12,868	1,83,264	14 3 10

7. The figures of outturn during the period under review are possibly more reliable than those of the previous year, but the statistics of cost are apparently of no value. The total charges shown under the head of demarcation in the audited accounts amount to Rs. 73,804, whereas the figures in Abstract G and in paragraph 22 of the report give a total of Rs. 53,794. Moreover, the details of cost in the various districts, as shown in this abstract, differ vitally from the Accountant-General's figures in form No. 64, and the average district rates per running mile, which are reviewed at length by the Board, are probably almost entirely worthless. Taking, however, the total amount of demarcation of all kinds performed during the period under review, and calculating on the figures of cost shown in the audited accounts, the average rate per running mile for the Presidency comes to Rs. 13½, as compared with Rs. 11 for the two preceding years worked out on the same principles. This increase is unsatisfactory, but is partly accounted for by the fact that heavy charges were incurred in Anantapur and Cuddapah on stone walls which were erected as famine works. The large expenditure during the 15 months under review calls, however, for further inquiry, and the matter should engage the attention of the Board and Conservators. The Government trusts that every endeavour will be made to obtain more reliable statistics of this important work and of the cost thereof.

8. *Surveys and working plans.*—These subjects are fully dealt with in Chapter III of the Board's report. The large increase of outturn shown by the Survey of India Party is very satisfactory, and the steady decrease in the cost rate per square mile, noticed in previous years was at the same time maintained. The returns of departmental work are not encouraging, but the Government is glad to learn that arrangements have now been made for the training of Foresters in survey work. The great success of the schools recently started by the Superintendent, Revenue Survey, for the

training of karnams, would indicate that no great difficulty should be experienced by Forest subordinates in qualifying themselves to perform this duty, and the system of training adopted in respect of Revenue Inspectors should, *mutatis mutandis*, be applied to Foresters and Rangers. The objections raised by the Government of India, when reviewing the annual report of 1891–92, in regard to the administration of preliminary surveys, have been dealt with in G.O., No. 875, dated 10th October 1893, to which allusion has already been made in paragraph 5 *supra*. The progress made in the preparation of working plans, as remarked by the Board, is necessarily delayed until selection and settlement are further advanced and the subordinate staff is increased.

9. *Forest offences.*—The following statement compares for each Circle (1) the number of cases for disposal, (2) the number disposed of, (3) the number of acquittals (4) the percentage of cases compounded to cases disposed of, and (5) the percentage of acquittals to the number of cases dealt with by the magistracy :—

STATEMENT of Forest offences.

		Number of cases for disposal.			Number of cases disposed of.	
		Cases pending at beginning of the year.	New cases.	Total.	Cases withdrawn.	Cases compounded.
1		2	3	4	5	6
Northern Circle	1891-92	349	2,010	2,359	3	595
	1892 93	466	3,328	3,796	58	642
Central Circle	1891-92	513	4,723	5,236	244	2,338
	1892-93	867	5,168	6,055	526	2,639
Southern Circle	1891-92	174	1,391	1,565	53	579
	1892 93	201	2,409	2,610	112	825
Total	1891-92	1,036	8,124	9,160	300	3,512
	1892-93	1,556	10,905	12,461	696	4,106

	Number of cases disposed of—*cont.*		Number of acquittals.	Percentage of cases compounded to cases disposed of.	Percentage of acquittals to cases dealt with by magistracy.
	Cases dealt with by magistracy.	Total.			
	7	8	9	10	11
Northern Circle	1891-92	1,293	1,891	302	31·5	23·3
	1892-93	2,162	2,862	425	22·4	19·7
Central Circle	1891-92	1,766	4,348	415	53·8	23·5
	1892-93	2,222	5,387	520	49·0	23·4
Southern Circle	1891-92	737	1,369	211	42·3	28·6
	1892-93	1,292	2,229	273	37·0	21·1
Total	1891-92	3,796	7,608	928	46·1	24·4
	1892-93	5,676	10,478	1,218	39·2	21·5

There has again been a large increase in the number of offences of which the Forest Department has taken cognizance, and the total number of cases taken up during the period under review is considerably more than double the number returned in 1889–90. The increase has been steady in recent years, but, as pointed out by the Board, the high figures shown in the present report are partly due to the fact that the transactions relate to a period of 15 months. The details are fully reviewed in paragraphs 30—37 of the Board's report. The highest percentage of acquittals (55) is shown against the Madura district, and the Government agrees with the Board in considering that this result is specially discreditable, for the same district.

returned one of the highest percentages of acquittals in the previous year, and particular attention was then drawn to the matter. The District Forest-officer, Mr. Gass, should have explained his failure to pay attention to this important subject.

10. The Conservator's report on the numerous murders of Forest subordinates in the Cuddapah district, alluded to in paragraph 36 of the report, has since been received, and both the Conservator and Collector agree in ascribing these unfortunate occurrences mainly to the general lawlessness of the people. In a separate report the District Forest-officer has also brought to notice another instance of this feeling in the obstruction offered to the Forest-officers in the demarcation of a proposed reserve. The Government understands that the Collector has now taken this matter in hand. It is feared, however, that the recent outbreak of crime in this district gives evidence of insufficient control on the part of the superior officers; the Forest charge is a large one, and in the opinion of Mr. Gamble, the former Conservator, would provide work for four officers of the controlling staff, but the Collector and his Forest Assistants must devote more attention to the supervision of their subordinates. According to the evidence produced in the Sessions Court, the murders in question were to a great extent brought about by the extortionate practices of the low-paid officials of the Department, and His Excellency the Governor in Council trusts that the Collector and his Assistants will use their best endeavours to stamp out this evil, which is nothing less than a reproach to the administration.

11. *Forest fires and fire protection.*—The amount expended upon the protection of forests from fire was large, but the results obtained were generally satisfactory, only 2 per cent. of the protected areas in the Northern and Southern Circles being burnt. The average cost per square mile rose from less than Rs. 10 in the previous year to more than Rs. 13. There was also a large rise in the number of cases of incendiarism, 101 such offences being prosecuted as against 60 in the previous year, but as pointed out by the Board, the period under review covers one entire fire-season and part of another.

12. *Grazing.*—The receipts from grazing fees, grazing contracts and the sale of grass, for the 12 months ending with March 1893, amounted to Rs. 1,75,589 as compared with Rs. 1,83,722 realized during the preceding year, thus showing a decrease of about Rs. 8,000. The recent ruling contained in G.O., No. 647, dated 18th July 1893, to the effect that only such revenue as is derived from produce, over which the Forest Department exercises actual, and not constructive, supervision, should be credited to "Forests", will tend to diminish the above receipts in future years, for a considerable portion of them will hereafter be credited to "Land Revenue." The decrease in the year under review is mainly attributed to the fact that the season was one of better rainfall and that pasture was therefore available outside the reserves. This explanation cannot, however, be given much weight, because in the year 1891–92 grazing was allowed free or on reduced rates in several districts on account of the distress then prevailing. The decrease of nearly Rs. 10,000 in North Coimbatore should have been explained. The improved arrangements made in South Arcot for the collection of grazing fees resulted in the total receipts in that district being more than doubled during 1892–93. The Government notes that the majority of District officers are in favour of abolishing the present distinction between agricultural and non-privileged cattle, and the Board's promised report on the subject is awaited. The failure of the experiments in grass-cutting and hay-making undertaken during the last two years is to be regretted. The total loss to Government on account of the charges thus incurred amounted to Rs. 13,765. The Government agrees with the Board in considering that under more favorable conditions and judicious management the system ought to be worked successfully, but it would be inadvisable to renew the experiments until the Department is better fitted to cope with the work now devolving on it. Great care should also be taken to select proper localities where the demand is likely to be commensurate with the supply.

13. *Reproduction.*—In reviewing the report of 1891–92, the Government of India remarked that the publication was wanting in a sufficient summary of the information relating to the technical subjects dealt with in chapter IV, and the Conservators

were accordingly directed to amplify their notes thereon. The Conservators of the Northern and Central Circles have recorded their remarks upon natural and artificial reproduction during the year, and these have been printed as Appendix F to the report. His Excellency in Council has perused these notes with interest and regrets to learn that the remarks recorded by Mr. Cherry, the Conservator, Southern Circle, were not considered by the Board to be of any practical value. The Government does not, however, consider that the information afforded in Appendix F supplies the want indicated by the Supreme Government, for no summary of the notes is given and the details are more or less disjointed. It would be well if in future years the Senior Conservator were to compile a separate report on the subjects dealt with in this chapter, reviewing the operations of the whole Presidency. Separate orders will be issued on this subject when a reply has been received from the Government of India to the reference made under G.O., No. 875, dated 10th October 1893. It is satisfactory that the results of continuous protection are already very noticeable in various reserves, and the Conservator, Northern Circle, observes that the contrast between the present and the former condition of the forests is in some instances most marked. The total expenditure on plantations and cultural operations amounted to Rs. 64,797 as against Rs. 50,756 in the previous year. The bulk of these charges was incurred on plantations in the Central and Southern Circles.

14. The following statement shows the details of plantations, topes and cultural operations in the last two years:—

STATISTICS of Plantations and Cultural operations.

—	Plantations.		Topes.	
	Area in acres.	Cost in rupees.	Area in acres.	Cost in rupees.
1	2	3	4	5
Northern Circle .. 1891-92	934	2,593	3,517	1,204
Northern Circle .. 1892 93	936	3,008	3,542	1,902
Central Circle .. 1891-92	13,426·15	21,563	10,486	4,661
Central Circle .. 1892 93	13,429·15	26,749	10,315·99	6,577
Southern Circle .. 1891-92	6,398·91	12,622	14,521·98	2,287
Southern Circle .. 1892-93	6,623·19	16,377	14,534·45	327
Total . 1891-92	20,759·06	36,778	28,524·98	8,152
Total . 1892-93	20,988·34	48,134	28,392·44	8,806

—	Cultural operations.		Total.	
	Area in acres.	Cost in rupees.	Area in acres.	Cost in rupees.
	6	7	8	9
Northern Circle .. 1891-92	422·16	1,688	4,873·16	5,485
Northern Circle .. 1892-93	459·16	1,872	4,937·16	6,782
Central Circle .. 1891-92	3,831	2,143	27,743·15	28,367
Central Circle .. 1892-93	+ 100 mls. 3,873 + 100 mls.	2,450	+ 100 mls. 27,618·14 + 100 mls.	35,776
Southern Circle .. 1891-92	2,172·20	1,995	23,093·09	16,904
Southern Circle .. 1892-93	2,484·12	3,535	23,641·76	22,239
Total .. 1891-92	6,425·36	5,826	55,709·40	50,756
Total .. 1892-93	+ 100 mls. 6,816·28 + 100 mls.	7,857	+ 100 mls. 56,197·06 + 100 mls.	64.797

15. *Communications and Buildings.*—The total outlay on these works during the 15 months under review was Rs. 1,00,306 as compared with Rs. 72,497 in the preceding year, the percentage of outlay on the gross revenue being 5·1 and 4·2 respectively.

The expenditure on buildings was heavy, and it is observed that the charges so incurred in the Southern Circle exceed the corresponding outlay in the other two circles combined. The necessity for this heavy expenditure in the Southern districts is not explained. More than half the money was spent in the two districts of Madura and Tinnevelly alone, and the Government fears that sufficient check is not exercised by the Conservator and Collectors. The charges vary very considerably in the different districts. In Kurnool and Kistna the average cost of a hut for forest guards or watchers appears to be about Rs. 50, whereas in Madura between Rs. 500 and Rs. 600 were spent on such buildings at various places, and "gardeners' quarters" at Gundan sholah cost Rs. 880. In Tinnevelly also the charges appear to be heavy; tannah huts are valued at about Rs. 200 and expensive bungalows have been erected in several localities. In South Coimbatore "clerks' and peons' quarters" have been erected at a cost of Rs. 500, while "guards' huts" are charged at about Rs. 100; the expenditure on the depôt at Pollachi is also noticeable, the figure being Rs. 1,000. The Board's special attention is called to this matter.

16. The expenditure on roads appears, on the other hand, to be insufficient, and the scheme for the general development of forest communications, alluded to in the Board's report, should be expedited. Outlay under this head should eventually be productive of increased revenue, for lines of communication are in many cases almost entirely wanting, and the produce of the forests cannot be brought upon the market. Expenditure on buildings is doubtless very necessary, but should be curtailed as far as possible, and great care must be taken to prevent the waste of money on small works, which the list given in Appendix I would seem to indicate.

17. *Tramways.*—The figures given in Appendix H to demonstrate the financial results of the tramways working in Nellore, North Arcot and South Coimbatore are interesting, but it would be better to adopt a uniform method of calculating the gain and loss for all tramways. According to the statistics furnished, the amount saved by the transport of casuarina fuel by tramway in Nellore was more than Rs. 3,000 during the year. It should have been explained why the estimated charge for country carts was taken at annas 13–11 per ton mile for the Nellore casuarina plantations and at only annas 3–9 for the Sríharikóta range. The details of revenue and expenditure for the Cuddapah tramway are not understood.

18. *Yield and Working.*—The subjoined statement gives particulars of the yield of the forests during the last three years:—

COMPARATIVE statement of yield for the past three years.

—	Timber including sandalwood.	Fuel.	Bamboos in number.	Minor produce in rupees.
	C. FT.	C. FT.	NO.	RS.
1890–91	3,802,497	12,168,215	18,223,447	6,58,311
1891–92	3,086,937	13,987,173	31,150,765	6,40,842
1892–93 (15 months)	2,966,556	12,138,565	20,779,393	8,03,255
Average yield for 12 months in 1892–93	2,373,244	9,710,952	16,623,514	6,42,604
Net increase or decrease during the 15 months of 1892–93 as compared with 1891–92	— 120,381	— 1,848,608	— 10,371,372	+ 1,62,413
Net increase or decrease in the average yield for 12 months of 1892–93 as compared with that of 1891–92 .	— 713,693	— 4,276,221	— 14,527,251	+ 1,762
Average percentage of increase or decrease * ..	— 23	— 31	— 47	+ ·03

* *Note.*—The Board of Revenue has calculated the percentage of increase or decrease upon the figures of 1892–93 (15 months) as compared with those of 1891-92 (12 months). But the above figures represent the average percentage and have been calculated upon the average yield of 12 months of 1892–93 as compared with that of 1891–92

The decrease in the number of bamboos is large, and occurs entirely under the head of removals by private agency. In Kistna a bamboo forest is reported to have been closed against cutting. The very large decrease in North Arcot (from 9,139,700

in 1891–92 to 426,322 in 1892–93) should have been explained. There was a decrease under every head except minor produce, and this is accentuated by the fact that the figures for 1892–93 relate to the operations of 15 months. The details are fully examined in chapter V of the report. The falling off in the figures of the period under review appears to have been mainly the result of the slack demand and of the large stocks of produce remaining undisposed of at the commencement of the year.

19. The comparative cost of departmental and private working and the net profit under each system are shown in the statement appended to paragraph 64 of the report. The figures must be more or less hypothetical, because it is necessary to make an arbitrary apportionment of the establishment charges between the two systems. The method adopted by the Board in the present report and in that of the preceding year is, however, the fairest that can be devised. The following table compares the results of the two years :—

—	Rate of net profit in	
	1891–92.	1892–93.
Departmental working.	Rs. A. P.	Rs. A. P.
Timber *per* cubic foot	+ 0 3 0	+ 0 1 3
Fuel ,, ,, ...	— 0 0 1	— 0 0 1
Bamboos (each)	— 0 0 4	+ 0 0 3
Sandalwood *per* cubic foot	+ 5 10 2	+ 10 9 0
Minor produce *per* maund	— 0 1 2	— 0 10 3
Private working.		
Timber *per* cubic foot	+ 0 1 2·5	+ 0 1 4
Fuel ,, ,, ...	+ 0 0 2·5	+ 0 0 4
Bamboos (each)	+ 0 0 0·7	+ 0 0 1
Grazing	(Rates not ascertainable.)	
Minor produce		
	Rs.	Rs.
Total net profit ..	1,49,242	1,70,269
	3,37,644	4,34,355

20. From this statement it appears that in each year the departmental working of timber and sandalwood showed a profit, while fuel and minor produce were worked at a loss. The net rate of loss of 4 pies per bamboo shown in 1891–92 has now been converted into a net profit of 3 pies. The net rate of profit on timber has, on the other hand, fallen from 3 annas per cubic foot to one anna and a quarter, while the figures for sandalwood show that the rate of profit has been nearly doubled. The most noticeable feature is the loss under minor produce, which is now shown as $10\frac{1}{4}$ annas per maund : the total net profit under the corresponding head for private working is, on the other hand, more than double that realized for any other kind of produce, except fuel. In 1891–92, departmental working of minor produce showed a net loss of $1\frac{1}{8}$ annas per maund and the profit from private working was again largely in excess of that obtained under other heads. These figures would seem to indicate the inadvisability of working minor produce under direct Government agency. The decision on this subject must not, however, be based purely on considerations of revenue. In hilly districts and in all localities where the jungles are situated at some distance from the market, the contract system is liable to embitter the jungle tribes against the Forest Department, and their assistance in working the forests is thereby forfeited. The matter is one of considerable importance, and the Government desires to receive a special report thereon. The statistics of profit and loss furnished in the present report should be carefully examined, and it should be ascertained whether the system of departmental working cannot be continued without loss to the State.

21. *Financial results.*—In the following statement the financial results of the 12 months ending 31st March 1893, and of the 15 months ending 30th June 1893, are compared with those of 1891–92 :—

—	Northern Circle.				Central Circle.			
	1891-92.	1892-93 (12 months).	April, May and June 1893.	Total for 15 months in 1892-93.	1891-92.	1892-93 (12 months).	April, May and June 1893.	Total for 15 months in 1892-93.
1	2	3	4	5	6	7	8	9
	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts	4,38,680	3,57,732	96,337	4,54,069	7,01,855	7,01,279	1,62,320	8,63,599
Charges	2,70,151	2,88,842	77,394	3,66,236	4,63,929	4,78,248	1,17,094	5,95,342
Surplus or deficit	1,68,529	68,890	18,943	87,833	2,37,926	2,23,031	45,226	2,68,257
Increase or decrease as compared with 1891-92 during (1) 12 months ending 31st March 1893.		— 99,639				— 14,895		
Increase or decrease as compared with 1891-92 during (2) 15 months ending 30th June 1893.			— 80,696				+ 30,331	

—	Southern Circle.				Total.			
	1891-92.	1892-93 (12 months).	April, May and June 1893.	Total for 15 months in 1892-93.	1891-92.	1892-93 (12 months).	April, May and June 1893.	Total for 15 months in 1892-93.
	10	11	12	13	14	15	16	17
	Rs.	Rs.	Rs	Rs.	Rs	Rs.	Rs.	Rs
Receipts	5,53,680	5,18,201	1,29,949	6,48,150	16,94,215	15,77,212	3,88,606	19,65,818
Charges	5,32,074	5,63,168	1,14,182	6,77,350	12,66,154	13,30,258	3,08,670	16,38,928
Surplus or deficit	21,606	— 44,967	15,767	— 29,200	4,28,061	2,46,954	79,936	3,26,890
Increase or decrease as compared with 1891-92 during (1) 12 months ending 31st March 1893.		— 66,573				— 1,81,107		
Increase or decrease as compared with 1891-92 during (2) 15 months ending 30th June 1893.			— 50,806				— 1,01,171	

The results of the past official year have been already fully reviewed by Government in passing orders on the budget estimates of the Forest Department for 1894–95 and do not now call for any special remarks. The surplus for the 15 months of 1892–93, as compared with that of the official year 1891–92, shows a slight increase in the Central Circle, while there was a decrease in both the Northern and Southern Circles amounting in all to Rs. 1,31,502. The net result of the period under review is a decrease in the surplus of receipts over expenditure of Rs. 1,01,171 as compared with the surplus of 1891–92. The figures for the past 5 years and of the 15 months under review are shown below :—

—	Receipts.	Charges.	Surplus.
	Rs.	Rs.	Rs.
1888-89	15,15,006	12,16,674	2,98,332
1889-90	15,57,627	11,65,358	3,92,269
1890-91	17,95,408	12,53,284	5,42,124
1891-92	16,94,215	12,66,154	4,28,061
1892-93 (1) 12 months ending 31st March 1893.	15,77,212	13,30,258	2,46,954
1892-93 (2) 15 months ending 30th June 1893..	19,65,818	16,38,928	3,26,890

22. In conclusion, His Excellency the Governor in Council desires to place on record his thorough appreciation of the excellent arrangements made by Mr. Arundel, the Commissioner now in charge of the Forest Department, for the general supervision

of his subordinates and for the control of their operations. It is observed that Mr. Arundel was able to make tours of inspection through ten districts during the period under review, and others have since then been visited The Forest Commissioner holds in this Presidency a position analogous to that of the Inspector-General of Forests in Provinces directly under the Supreme Government, and it is most desirable that the administration of the department should be largely influenced by his personal control. The present report affords ample evidence of the fact that Mr. Arundel is fully conscious of this important principle, and His Excellency in Council observes with satisfaction that systematic arrangements have been made to give effect thereto. The orders issued to Conservators and District Forest-officers in regard to the regular inspection of the forests under their charge form one instance in point, and it is further noted that periodical returns are now required of the progress of many operations which in former years have been carried on without any fixed system. The work of the department is doubtless hampered to a great extent by the insufficiency of the present subordinate staff, and there is reason to believe that much revenue is annually sacrificed on this account. The Right Honorable the Secretary of State has for the present postponed his sanction to the proposals made by this Government for an increase to the establishment, and the matter is still under consideration ; but His Excellency in Council trusts that the scheme elaborated in 1891 may before long be approved, and the administration of the forests be thereby placed upon an efficient basis.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.